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CR Console

OPERATION MANUAL

THE USER UTILITY OPERATIONS

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Chapter 1

BEFORE OPERATION

1.1 Functions of the User Utility

Summarized as follows are functions of the user utility. For details of the operation, refer to the pages shown in the parentheses.

Menu Setting (For details, see [Chapter 2 MENU SETTING].)

Performs various settings related to exposure menus and study menus.

- **Exposure Menu Setting**
  Creates, edits, and deletes exposure menus.
- **Study Menu Setting**
  Creates, edits, and deletes study menus.
- **Display Group Setting**
  Creates, relocates, renames, and deletes display groups of menus for the screen of routine operation mode, and also sets them not to be displayed on the screen.
- **Display Menu Setting**
  Registers, relocates, and deletes menus to be displayed on the routine operation screen.

Table Setting (For details, see [Chapter 3 TABLE SETTING].)

Sets information tables.

- **Technologist Information Setting**
  Registers, edits, relocates, and deletes technologist information.
- **Requesting Department Information Setting**
  Registers, edits, relocates, and deletes requesting department information.
- **Film Mark Setting**
  Registers, edits, relocates, and deletes film marks.
- **User Group Management**
  Manages user groups.
- **Setting for Comment on Mis-exposure**
  Registers, edits, relocates, and deletes comments on mis-exposures.

Property Setting (For details, see [Chapter 4 PROPERTY SETTING].)

Sets the operating environment.

Parameter Batch Updating (For details, see [Chapter 5 PARAMETER BATCH UPDATING].)

Updates exposure parameters for all exposure menus at a time.
This function is only for super users, and general users cannot operate it.

Backup/Restore (For details, see [Chapter 6 BACKUP/RESTORE].)

Performs backup/restore of information.

- **Backup**
  Makes backup of information.
- **Restore**
  Restores information.

Patient's Information DB Utility (For details, see [Chapter 7 PATIENT'S INFORMATION DB UTILITY].)

Performs the maintenance/backup/restore operations of the patient's information database.

- **Patient's Information Maintenance**
  Registers, edits and deletes patient's information.
- **Backup**
  Makes a backup of patient's information.
- **Restore**
  Restores patient's information.
- **Patient's Information Import**
  Imports patient's information from external units, and registers them to the database at a time.

Image Processing Parameters File Transfer (For details, see [Chapter 8 IMAGE PROCESSING PARAMETER FILE TRANSFER].)

Transfers image processing parameters files recorded in the CR Console to Image Readers.

Exposure Result Log (For details, see [Chapter 9 EXPOSURE RESULT LOG].)

Clears/saves the exposure result logs for completed studies.
However, utilizing this function requires preset by the service engineer.

- **Saving Logs**
  Exports and saves exposure result and mis-exposure logs for completed studies.
- **Clearing Logs**
  Clears current exposure result and mis-exposure logs.

Customizing the Screen Display (For details, see [Chapter 10 CUSTOMIZING THE SCREEN DISPLAY].)

Performs customization (a setting for the items to be displayed).

- **QA Function Shortcut**
  Performs register/relocation/delete operations of the QA shortcut buttons to be displayed on the study execution screen.
- **Exposure Parameter Shortcut**
  Performs register/relocation/delete operations of the exposure parameter shortcut buttons to be displayed on the study execution screen.
- **QA Palette**
  Performs register/relocation/delete operations of the QA buttons to be displayed in the palette of the image edit screen.
- **QA Image Controller**
  Performs register/relocation/delete operations of the QA image controller buttons to be displayed in the sub-palette of the image edit screen.
- **Patient Information Setting Items**
  Performs register/relocation/delete operations of the patient information setting items to be displayed in the patient information input screen.
- **Setting for Screen Display**
  Performs display setting for the study execution and study list screens.

Calculating the Count How Many Times the IP Was Used (For details, see [Chapter 11 CALCULATING THE COUNT HOW MANY TIMES THE IP WAS USED].)

Calculates the count how many times the IP was used.

- **Searching by Narrowing Down the Query Conditions**
  Displays on the IP use count list the information of count how many times the IP was used, which is resultant of queries made by narrowing down the search conditions.
- **Outputting List Files**
  Outputs in a ".csv" format file a list of calculated results of the count how many times the IP was used.

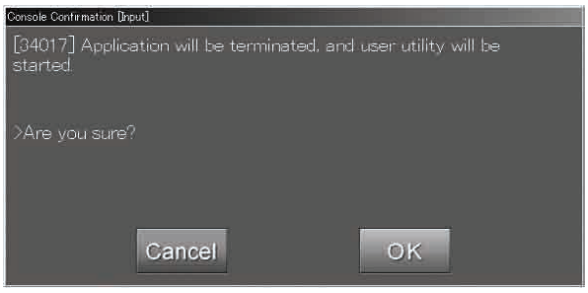
1.2 Starting/Ending the User Utility

1.2.1 Starting the User Utility

Starts up the User Utility. When the user authentication has been specified to be used according the Maintenance Utility settings, the user is allowed to limit the use of this function. For details, refer to [Chapter 3 TABLE SETTING].
Before the operation, start up the CR Console to display the Study Reception Screen (or any of the lists).

Select FCR to display the menu, and select “User Utility”.

A confirmation box is displayed. Select “OK”.
The mode for the routine operations is once ended, and the User Utility startup operation is executed.
(“Cancel” → Cancels operation.)

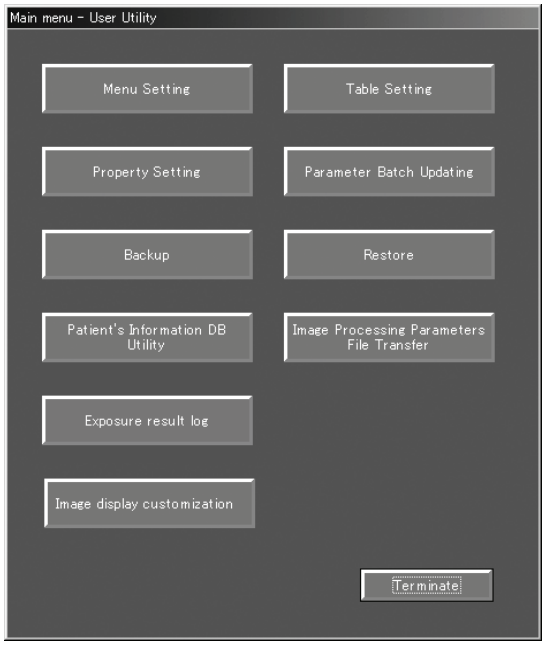


- **When the “Enter Password” window is displayed**

  If a password input is required because of the maintenance setting made at the time of installation, the “Enter Password - User Utility” window is displayed after the startup processing.
  Input a password and select “OK”.

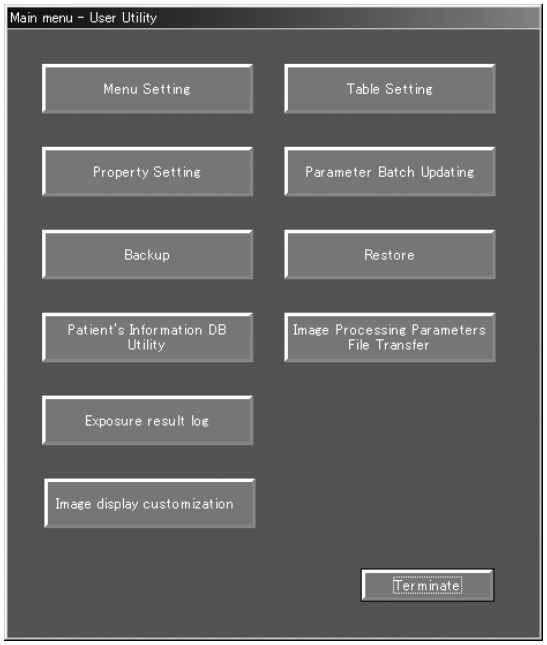
  When the password for general users is already input depending on the maintenance setting, simply select “OK”.
  If operating the “Parameter Batch Updating” function, start up the User Utility for super users. In this case, input a password for super users and select “OK”.
  (“Terminate” → Terminates the User Utility.)

After the completion of starting up the User Utility, the “Main Menu - User Utility” window is displayed. (The “Parameter Batch Updating” menu will not be displayed for the User Utility of general users.)



1.2.2 Ending the User Utility

Ends the User Utility. Before the operation, display the “Main Menu - User Utility” window. Select “Terminate” in the “Main Menu - User Utility” window. The termination processing for User Utility will be executed.



After completing the termination of the User Utility, the mode for routine operation is restarted and the initial screen will be displayed.

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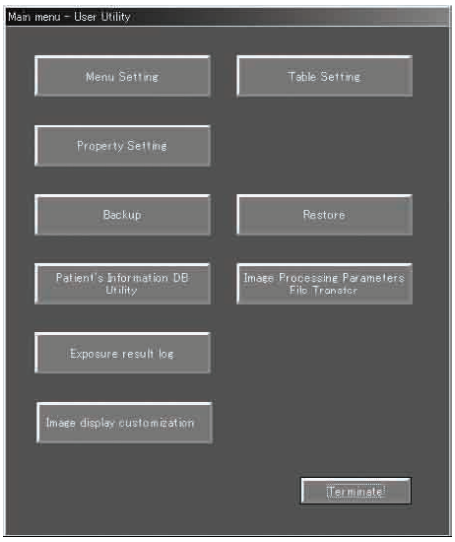
Chapter 2

MENU SETTING

This Chapter describes how to perform various settings related to exposure menus and study menus.
Select “Menu Setting”.



The “Menu Setting - User Utility” window is displayed.
Exposure menus and study menus currently registered are listed in the “Exposure/Study Menu” field in the right side of the screen. Creating, editing, and deleting menus are performed in this field.
Exposure menus and study menus are listed by group (in the same manner as the display style in a screen for the routine operation mode) in the “Display setting” field at the right side of the screen. Settings related to display of menus and groups are made in this field.
For details of creating new menus, see [2.1.1 Creating Exposure Menus] and [2.2.1 Creating Study Menus].
For details of display settings, see [2.4.1 Registering Display Menus].

Operations are described by the setting, hereafter.

2.1 Exposure Menu Setting

Creates, edits, and deletes exposure menus.

2.1.1 Creating Exposure Menus

Creates an exposure menu by copying the information of an existing exposure menu and updating it.

(1) Selecting an exposure menu

Select “Exposure Menu” in the “Exposure/Study Menu” field.

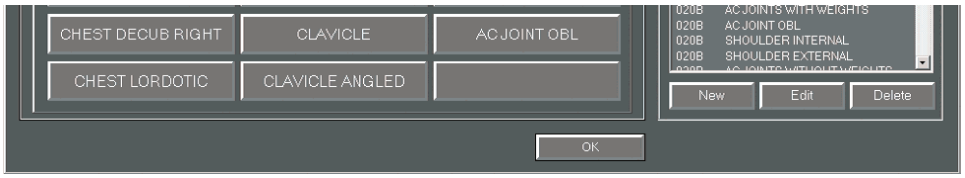
The exposure menus currently registered are listed. Select an exposure menu to be copied.
An Exposure menu (button) can be selected in the “Display Setting” field as well.
(In that case, the operation above is not necessary.)

NOTE

- Select an exposure menu with the exposure style (anatomical region, positioning) as similar to the exposure menu to be created as possible. Creating an exposure menu for one region by copying that for another (e.g. creating an exposure menu for head by copying that for chest) may lead to an abnormal image.

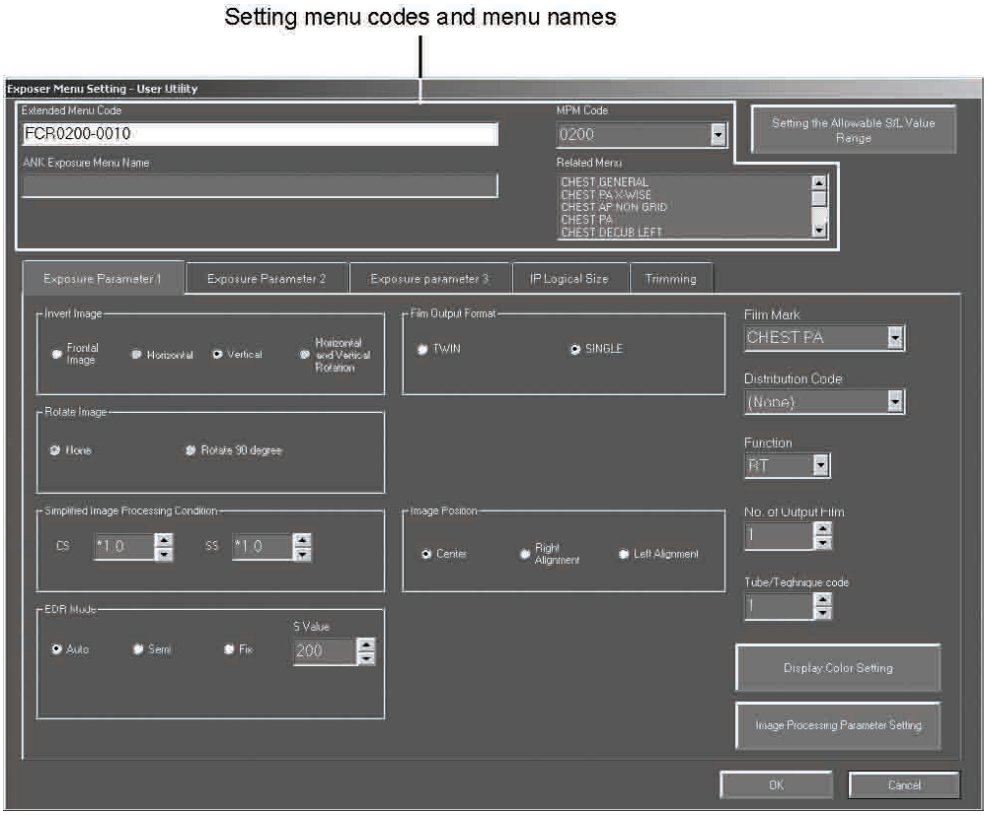
(2) Selecting the processing

Select “New”.



(3) Setting code/name

The “Exposure Menu Setting - User Utility” window is displayed.
Set menu codes and a menu name. (Set all items here, otherwise users cannot go to next operation.)



Extended Menu Code :

The extended menu code is the code for managing exposure menus. It does not decide EDR (automatic image reading sensitivity setting function) and image processing parameters for images not like the following MPM code. EDR and the image processing parameters are the same as ones for the original exposure menu to be copied.

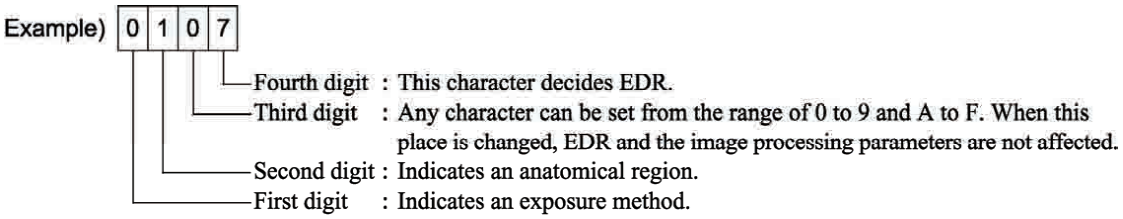
An unused code is set in default. To change the code, enter any code (a maximum of 16 characters, * and @ cannot be used). (Duplication with codes of other exposure menus is not allowed.)

Example> In the case of creating different exposure menus such as “CERVICAL,OBL”/ “CERVICAL,LAT”/“CERVICAL,RAO”/“CERVICAL,LAO” by copying a “CERVICAL SPINE” (MPM code: 0107) menu. (EDR and the image processing parameters are not to be changed.)

	Menu Name	MPM Code	Extended Menu Code	EDR	Image Processing Parameters	Remarks
Original exposure menu	CERVICAL SPINE	0107	0107-0000	Same	Same	The exposure parameters (Invert Image, Film Mark, and etc.) can be set differently for each exposure menu. The image processing parameters for the newly created exposure menu are changed when the parameters for the original exposure menu are changed.
Newly created exposure menu	CERVICAL, OBL	0107	0107-0001			
	CERVICAL, LAT	0107	0107-0002			
	CERVICAL, RAO	0107	0107-0003			
	CERVICAL, LAO	0107	0107-0004			

MPM Code :

The MPM code is the code that manages exposure menus and also decides EDR and image processing parameters for images. Users can change the third digit of the code since it does not affect EDR and image processing parameters, but cannot change any other digits. (That is, original exposure menus decide the EDR and image processing parameters for newly created exposure menus.)


Example) 0 1 0 7
Fourth digit : This character decides EDR.
Third digit : Any character can be set from the range of 0 to 9 and A to F. When this place is changed, EDR and the image processing parameters are not affected.
Second digit : Indicates an anatomical region.
First digit : Indicates an exposure method.

The The code of the original exposure menu to be copied is set in default. Select a code from the dropdown list. If the selected code has already used in other exposure menus, the exposure menu is displayed in the “Related Menu” box.

Example> In the case of creating a new “PELVIS,OBL” menu with changed image processing parameters and exposure parameters by using a “PELVIS,FRN” (MPM code: 0500) menu.
Original exposure menu → PELVIS,FRN (MPM code: 0500)
Newly created exposure menu → PELVIS,OBL (MPM code: 05x0, “x” is an optional character to be set.)

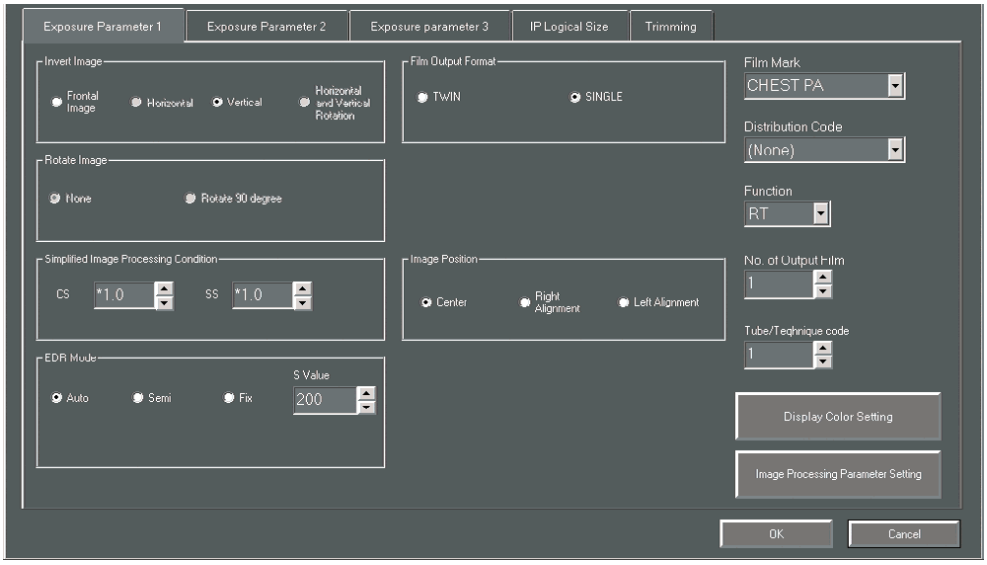
Exposure Menu Name :

Enter the exposure menu name (a maximum of 64 characters, * and @ cannot be used).

(4) Setting exposure parameter

Select the “Exposure Parameter 1”, “Exposure Parameter 2” or “Exposure Parameter 3” tab to display the folder, and set each exposure parameter.

<Exposure Parameter 1>



Invert Image :
Select an invert display of the image. Normally “Frontal Image” and “Vertical” can be selected. If making “Horizontal” and “Horizontal and Vertical Rotation” selectable, the maintenance setting is required.

Rotate Image :
Rotation display of the image. This item is normally fixed to “None”. If making “Rotate 90 degree” selectable, the maintenance setting is required.

Simplified Image Processing Condition (SS/CS) :
Set CS (contrast shift) and SS (density shift). The value can be changed by selecting the arrow button. It cannot be changed by entering the value through keyboard.
CS is the coefficient given to the parameter concerning the tonal curve. It changes the contrast of the image. This value can be set in the range of *(x)0.5 to *2.0.
SS is the coefficient given to the parameter concerning the reading sensitivity. It changes the density of the image. This value can be set in the range of /(÷)2.0 to *(x)2.0.

EDR Mode :
Select an EDR (automatic image reading sensitivity setting function) mode. If setting “Fix” mode, enter “S value” (4 to 20047). “S Value” can be changed either by selecting the arrow button or by entering the value through keyboard.
If performing the Manual EDR processing, select “Manual”. It is only effective for the Image Readers that can perform the Manual EDR processing.

Film Output Format :
Select a film output format.

Image Position :
Select a display position of an image in the image frame.

Film Mark :
Set a film mark (character displayed on the film). This item can be set either by selecting from the dropdown list or by entering characters (a maximum of ten characters) through keyboard.
The film marks set separately are listed up in the dropdown list. Refer to [3.3 Film Mark Setting] about the film mark settings.

Distribution Code :
Select a distribution code (a code number to specify the transfer destination) of the image from the dropdown list.

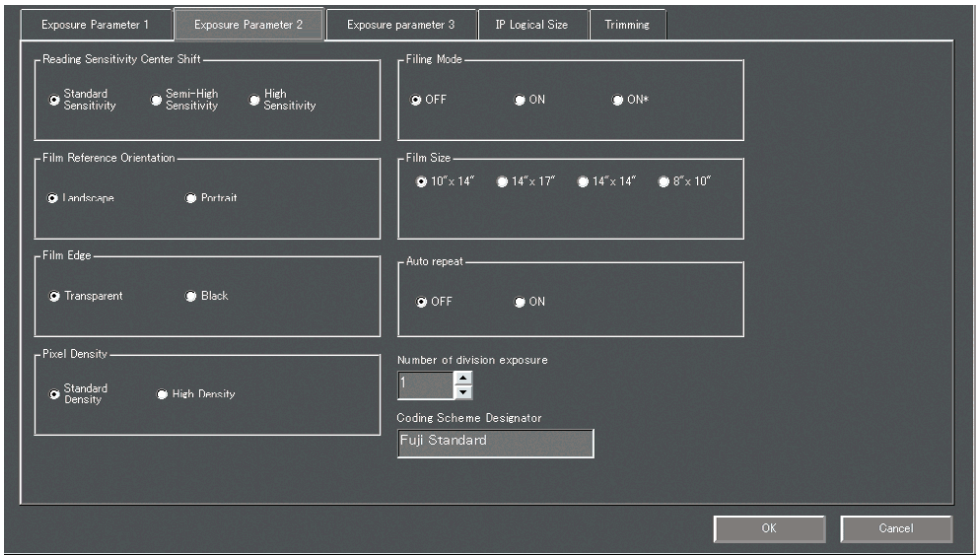
Function :
Select a function (special processing) from the dropdown list.

- **RT :** Routine processing
- **TS :** Temporal subtraction processing
- **WS :** Whole spine processing
  Usually it is set to the exposure menus for the Image-composition Processing (optional software). If it is set when the user's unit does not have the image-composing function, the image processing defined to this function is only applied to the exposure menus.
- **ES :** Energy subtraction processing
- **PS :** IVP processing
- **TM :** Tomography processing

No. of Output Film :
Set the number of films to output. This value can be changed by using arrow buttons or entered by using a keyboard directly.
The number of films that can be set varies depending on the setting at the time of installation. If the filing mode of "Exposure Parameter 2" is set to "OFF", do not set this item to "0".

X-ray Tube/Operational Method Code :
It is used when an X-ray control unit is connected.

<Exposure Parameter 2>



Reading Sensitivity Center Shift :
Select a reading sensitivity to the image exposed with high sensitivity (low X-ray dose).
Select “high Sensitivity” for images with S value = 800 or higher.

Film Reference Orientation :
Select reference direction to output image on film. This parameter is valid only when using the 8" x 10" 1-image format and the 14" x 14" 2-image format, Select “Portrait” for outputting image on film shifted by 90 degrees.

Film Edge :
Select a color for film edge (frame of the image).

Pixel Density :
Select pixel density of the image.

Filing Mode :
Select a mode to be used for filing an image to a filing device, such as ODF. Basically, "OFF" (not to record)/ "ON" (to record) can be selected. "ON*" is not allowed to select. (This parameter is inactivated when no filing device is connected.)

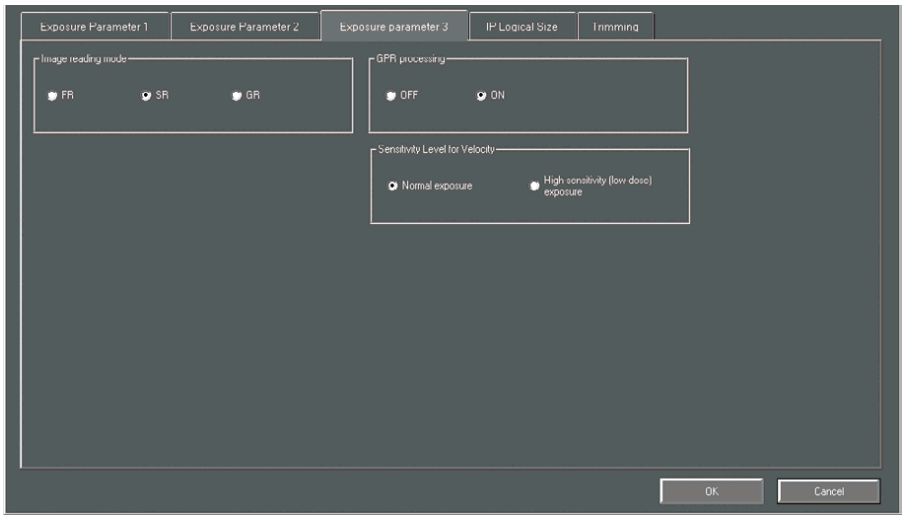
Film Size :
Select a film size. This parameter is used as the exposure actual result information to be sent to the RIS Terminal Units. It does not affect the film size to be used actually. A film size that can be selected will differ depending the settings performed at installation.

Auto Repeat :
Select either of “OFF” (do not perform) / “ON” (perform) for the auto repeat exposures.

Number of division exposure :
Set the number of division exposure. This value can be changed by using arrow buttons or entered by using a keyboard directly.

Coding Scheme Designator :
Enter the name of coding scheme designator (a maximum of 16 characters, * and @ cannot be used).

<Exposure Parameter 3>



Reading Mode :
Select a desired reading mode used to read images on the Image Reader.

FR : Five lines/mm reading mode
SR : Ten lines/mm reading mode
GR : Ten lines/mm GR reading mode

“FR: Five lines/mm reading mode” reads images in high-speed mode.
Shown below are the IP sizes that can be read in high-speed mode.

- 14”x17”
- 14”x14”

Whether FR mode can be selected or not depends on the connected Image Reader.
Even if FR mode is selected on Image Readers not available for that mode, images will be read in SR mode instead.
There are cases where trimming processing cannot be applied on images read by FR mode.

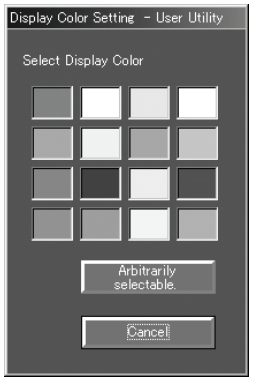
GPR processing:
When the GPR option is activated, this processing allows OFF (disabled) or ON (enabled) to be selected for GPR (Grid Pattern Removal processing).

Sensitivity level for the VELOCITY :
Select IP erasure mode when [Auto sensitivity change] is specified on the Image Reader FCR VELOCITY U, FCR VELOCITY T or FUJIFILM Unity SpeedSuite.
Standard exposure : Erases the IP in high-speed mode.
High sensitivity (low X-ray dose) exposure: Erases the IP in standard erasure mode.

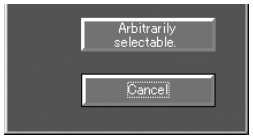
(5) Setting display color

Select “Display Color Setting” in the “Exposure Parameter 1” folder.

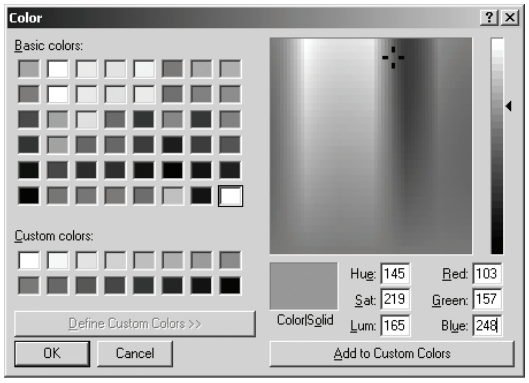
The “Display Color Setting - User Utility” window is displayed.
Select a color in which exposure menu is to be displayed.
(“Cancel” → Cancels operation.)



Besides those displayed, an optional color can be selected.
Press the “Arbitrarily selectable” button.



The “Color” window is displayed. After selecting a color, select “OK”.

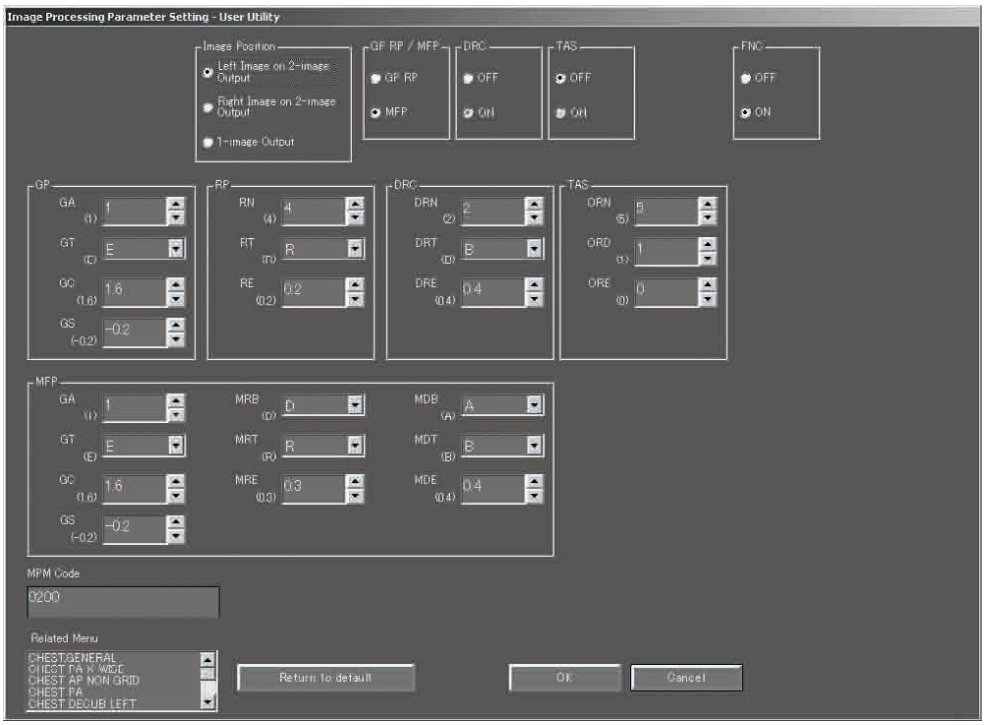


(“Cancel” → Cancels operation.)

(6) Setting image processing parameter

Select “Image Processing Parameter Setting” in the “Exposure Parameter 1” folder.

The “Image Processing Parameter Setting - User Utility” window is displayed.
Set each image processing parameter, and then select “OK”. In case of “DRC” and “TAS” processing, either one or the other is operational at one time.
For details of image processing parameters, see [-Image processing parameter-] presented herein.
(“Cancel” → Cancels operation.)



Specify Image :
Select an image to which the setting of the image processing parameter is to be applied.

GP RP/MFP :
Select GP (Tonal Conversion Processing), RP (Spatial Frequency Processing) or MFP (Multi-objective Frequency Processing). MFP can be set when the MFP option is activated.

DRC :
Select ON (enabled) or OFF (disabled) of DRC (Dynamic Range Control processing).

TAS :
Select ON (enabled) or OFF (disabled) of TAS (Tomographic Artifacts Suppression processing).

FNC :
Select ON (enabled) or OFF (disabled) of FNC (Frequency Noise Control processing).

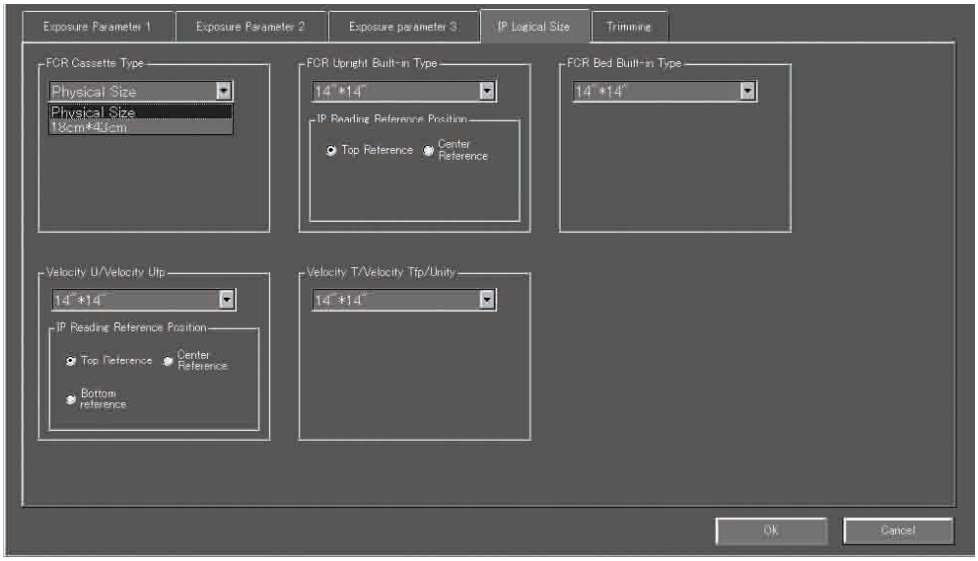
Return to default :
If this button is selected, parameter value of the Fuji Standard is set. If an exposure menu of the Fuji Standard is not displayed in the “Related Menu” box. This button is disabled.

NOTES

- To change image processing parameters, consult a physician who is going to read images, and then verify changed parameters on multiple images. Moreover, if image processing parameters thus changed affect image reading adversely, adjust those parameters appropriately.
- There is apprehension that depending on the exposure conditions applied, subject to be exposed or X-ray generator used for exposure, image processing task becomes burdensome, which causes then artifacts to occur, resulting consequently in undesirable effects in image reading.

(7) Setting IP logical size

Select the “IP Logical Size” tab to display the folder and set size for IP logical reading.



FCR Cassette Type :
Select an IP logical reading size for the cassette type Image Reader from the dropdown list.

FCR Upright Built-in Type :
Select an IP logical reading size for the built-in type Image Reader for standing figures from the dropdown list and select “IP Reading Reference Position”.

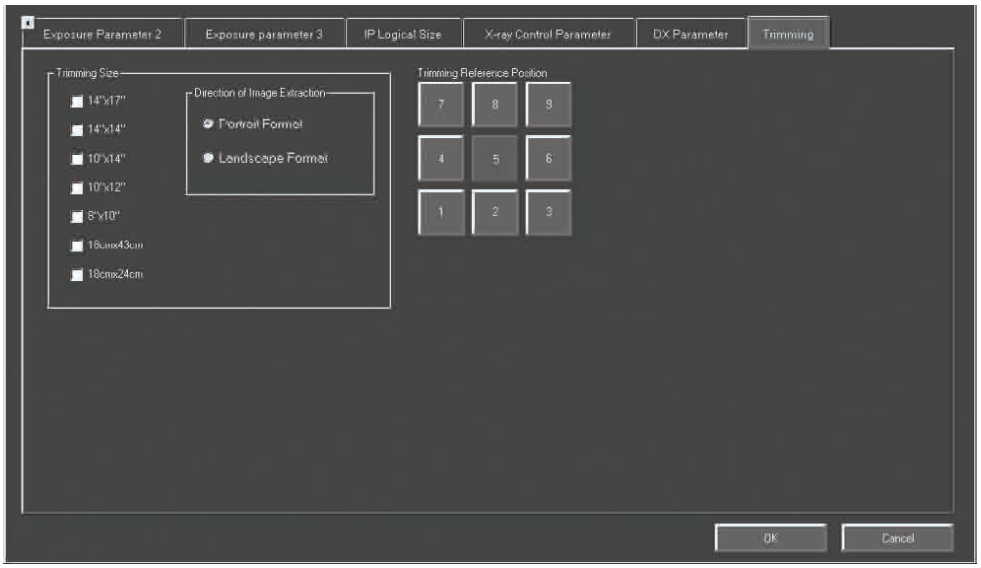
FCR Bed Built-in Type :
Select an IP logical reading size for the built-in type Image Reader for laying figures from the dropdown list.

Velocity U / Velocity Ufp:
Select an IP logical reading size for the FCR VELOCITY U or Velocity Ufp Image Reader from the dropdown list. Select then “IP Reading Reference Position”.

Velocity T / Velocity Tfp / Unity :
Select an IP logical reading size for the FCR VELOCITY T, Velocity Tfp or FUJIFILM Unity SpeedSuite Image Reader from the dropdown list.

(8) Trimming Setting

Select the “Trimming” tab to display the folder and set trimming processing.
(The “Trimming” tab will be displayed only when the trimming option has been activated.)



Trimming Size :
Specify one trimming size for the selected exposure menu.

Direction of Image Extraction :
Specify whether to extracting an image to be trimmed in the specified size vertically or horizontally.

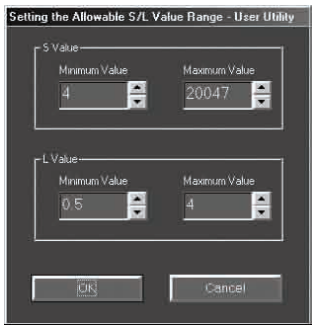
Trimming Reference Position :
Select a reference position when subjecting an image to trimming processing.

NOTE

- Trimming processing is not available in the cases a) to c) below, even if the size of a read image is the same as that of the image before it has been subjected to trimming processing as specified in “Trimming Size:” above.
  a) Images read from the FCR 5000 series at standard resolution
  b) Composed images or source images for composition
  c) Energy subtraction images
  d) Some of the images read in FR mode
- With regard to an image that has been subjected to trimming processing to 10”x14” or 14”x10” size, do not change image magnification ratio or image rotation direction on the image display unit side. Because the trimming frame position information varies as the image magnification ratio or image rotation direction changes, 10”x14” or 14”x10” sized images cannot be output correctly even if they are reprinted via the CR Console.
- Modifying an exposure menu or replacing an image after image reading processing will retain the trimming setting determined before such a change, resulting thus in disabling retrimming processing at initial menu setting after such a change.
- Specified trimming processing will not be reflected on images extracted in a size such as 10”x12” or 8”x10” and subjected to filing and soft copy at standard resolution.

(9) Setting the allowable S value and L value ranges

Select “Setting the Allowable S/L Value Range”. The “Setting the Allowable S/L Value Range - User Utility” window opens.



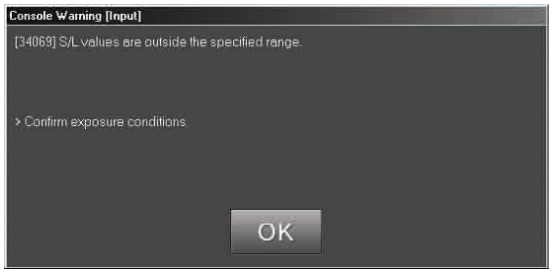
On this window, you can set up allowable S and L value ranges for exposure menus to be created and edited.

S value : Maximum and minimum S values are determined for each exposure menu. The range including both the maximum and minimum values will be taken as the allowable range for the S value.

L value : Maximum and minimum L values are determined for each exposure menu. The range including both the maximum and minimum values will be taken as the allowable range for the L value.

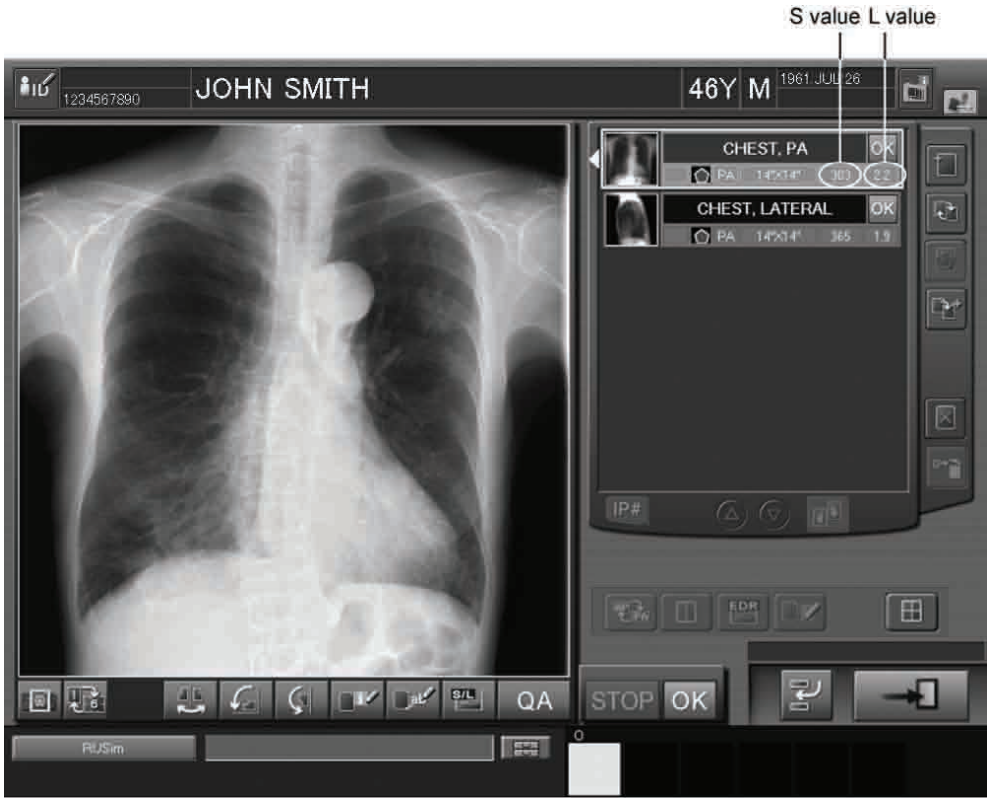
Select “OK”.
(“Cancel” → Cancels operation.)

An attempt to have an image, whose S and L values exceed the maximum and minimum values determined here, be read on the CR Console will display a message like that shown below.

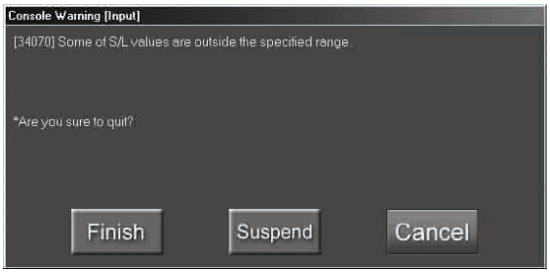


Select “OK”.

The target image is then read on the study screen. When it is read, the S value and L value displayed in the study menu blinks for the purpose of warning.



If you select , a message like that shown below appears.



If you select “Finish”, the study ends here. The S value displayed for the purpose of warning then stops blinking.

Furthermore, when this processing ends as the “Finish” button is pressed, a warning mark is displayed to the related study on the “Local WL” list, as shown on the window below.

Registration
Local WL
QA
Queue
Delivered
All
Today
FCR
15 / 26
! Accession No. Patient's Name Patient ID Date of Birth Sex Study Date Study Time No. of Imag
TARO FUJI 0123456789 1973.JUN.13 M 2005.JUL.05 10:17:07 2
TARO FUJI 0123456789 1973.JUN.13 M 2005.JUL.08 12:42:58 1
SL JOHN SMITH 1234567890 1961.JUL.26 M 2005.JUL.08 13:15:36 1
HANAKO FUJI 0223456789 F 0
HANAKO FUJI 0223456789 F 0
HANAKO FUJI 0223456789 F 2005.JUN.09 14:44:28 1
A200506060 O 0
A200506080 O 2005.JUN.08 16:33:17 3
A200506080 O 2005.JUN.08 16:39:05 6
A200506090 O 0
No. of FCR Image Menu Name Image Size IP #
A001 CHEST,GENERAL 14"X14" 00000000
RUSim

To use the S value/L value warning function, perform Image Reader calibration regularly. When doing so, use the Image Reader QC tool so that the calibration is performed unfailingly. If images are read on an Image Reader not undergone due calibration, the warning can be displayed illegally when the S value/L value warning function is used.

(10) Completing creation

Select “OK”.
(“Cancel” → Cancels operation.)

The created exposure menu is not displayed on the routine operation screen until registering the display of the menu. To continue to register the display of the exposure menu, perform the operation in [2.4.1 Registering Display Menus].

– Image processing parameter –

The following shows characteristics of each parameter.

GP (Tonal Conversion Processing) Parameter

Parameter	Characteristic	Input Range
GA	Inclination of the tonal curve. Adjusts the contrast of images.	–4.1 to –0.1 0.1 to 4.0 (the first decimal place excluding 0.0)
GT	Shape of the tonal curve. Attains the same effect as changing γ curve of various X-ray films.	A to Z (26 types)
GC	Central density of inclination of the tonal curve. Changes “GA” centering on the density determined here.	0.3 to 2.64 (the second decimal place)
GS	Amount of parallel translation of the tonal curve. Changes display density of the entire image.	–1.44 to 1.44 (the second decimal place)

RP (Spatial Frequency Processing) Parameter

Parameter	Characteristic	Input Range
RN	Enhanced frequency band in frequency processing. The frequency band determined here becomes the subject of enhancement processing.	0 to 9 (10 ranks)
RT	Shape of enhancement curve according to the density of images. By changing RT, the level of enhancement in the specific density area can be adjusted to the area with a specific density.	F, P to X (10 types)
RE	Level of enhancement of frequency processing. Changes the strength of processing according to the value.	0.0 to 9.9 (the first decimal place) 10 to 16 (no decimal place)

DRC (Dynamic Range Control Processing) Parameter

Parameter	Characteristic	Input Range
DRN	Mask size of dynamic range control. Sets the area for processing along with "DRT".	0 to 9 (10 sizes)
DRT	Type of dynamic range control filter. Sets the density area for processing.	A to T (20 types)
DRE	Level of enhancement of dynamic range control filter processing. Changes the strength of processing according to the value.	0.0 to 2.0 (the first decimal place)

TAS (Tomographic Artifacts Suppression Processing) Parameter

Parameter	Characteristic	Input Range
ORN	Mask size of tomographic artifacts suppression. Sets the most effective size according to the tomographic angle.	0 to 9 (10 sizes)
ORD	Processing direction of tomographic artifacts suppression. Sets according to the reading direction and the orbital direction of tomography.	0 : The orbit is at right angle to the green line of the cassette. 1 : The orbit is parallel to the green line of the cassette.
ORE	Level of enhancement of tomographic artifacts suppression. Changes the strength of processing according to the value.	0.0 to 9.9 (the first decimal place) 10 to 16 (no decimal place)

FNC (Frequency Noise Control Processing) Parameter

Parameter	Characteristic	Input Range
FFC	Depending on the irradiated X-ray dose, determines the degree of FNC to be applied. A: For general-purpose exposures, B: For linac graphy.	A to Z (26 types)
FNB	Determines the degree of FNC to be applied with regard to the frequency components. Low-frequency control will be enhanced gradually depending on how it is close to A.	A to F (6 types)
FNT	Determines the degree of FNC to be applied with regard to the image density.	A to C (3 types)
FNE	Determines the degree of FNC that is to be applied. The degree of FNC applied will be changed depending on the entered value.	0.0 to 1.0 (first decimal point)

MFP (Multi-objective Frequency Processing) Parameter (option)

Parameter	Characteristic	Input Range
MRB	Enhanced frequency band in frequency processing. The frequency band determined here is targeted for enhancement processing.	A to Z (26 types)
MRT	Shape of enhancement curve according to the density of images. By changing MRT, the level of enhancement in the specific density area can be adjusted.	F, P to Z (12 types)
MRE	Level of enhancement of frequency processing. Changes the strength of processing according to the specified value.	0.0 to 9.9 (the first decimal place) 10 to 16 (no decimal place)
MDB	Frequency type applied to the DR compression filter. Sets processing area, in conjunction with “MDT”.	A to Z (26 types)
MDT	Type applied to the DR compression filter. Sets a density area where processing is to be performed.	A to T (20 types)
MDE	Level of enhancement of DR compression filter processing. Changes the strength of processing according to the specified value.	0.0 to 2.0 (the first decimal place)

Parameters that correspond to GP, such as GA, GT, GC and GS, are gradation parameters used for MFP processing. For the characteristics, see descriptions in the “GP” (Tonal Conversion Processing) Parameter.

2.1.2 Editing Exposure Menus

Edits information of exposure menus.

NOTE

- To edit FUJI Standard exposure menu information, be sure to subject to editing an exposure menu copied using the same procedure as that of creating a new exposure menu.
  If original FUJI standard exposure menus are subjected to editing, there may be cases where the CR Console does not operate normally.

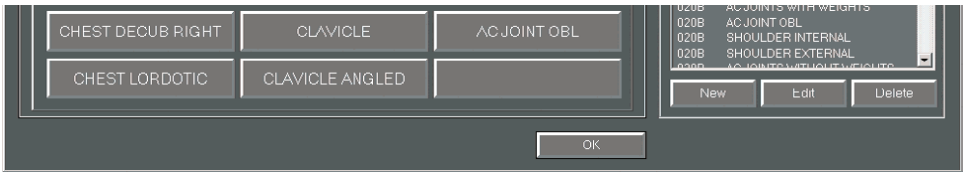
(1) Selecting the exposure menu

Select “Exposure Menu” in the “Exposure/Study Menu” field.

The exposure menus currently registered are listed. Select an exposure menu to be edited. Exposure menu (button) can be selected in the “Display Setting” field as well. (In that case, the operation above is not necessary.)

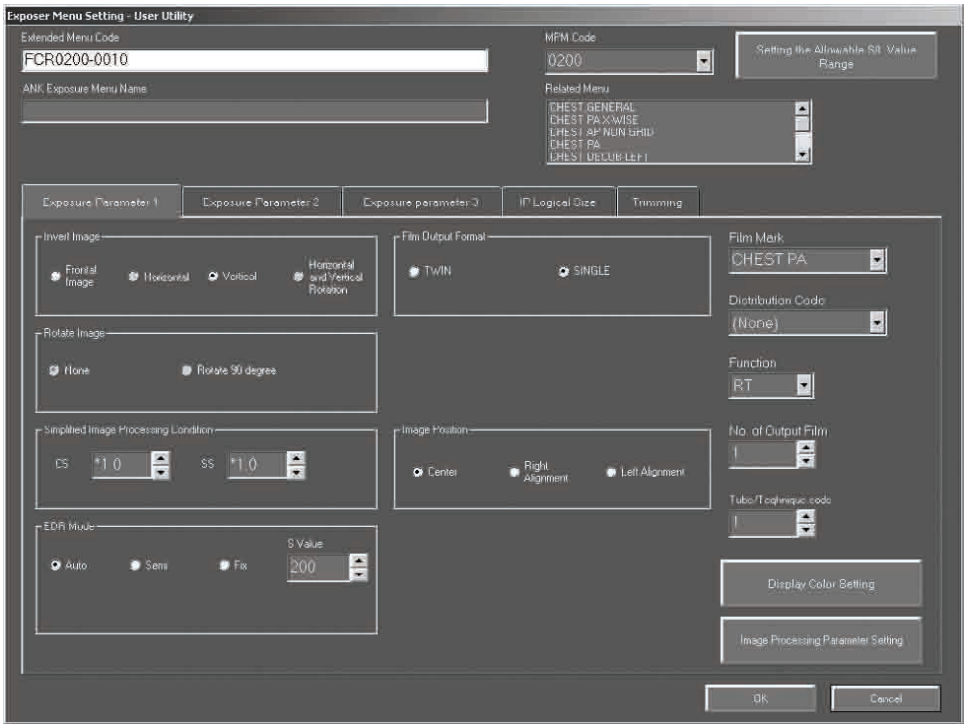
(2) Selecting the processing

Select “Edit”.



(3) Various settings

The “Exposure Menu Setting - User Utility” window is displayed.
To edit exposure menus, use the procedures in [(3) Setting code/name through (9) Setting the allowable S value and L value ranges under 2.1.1 Creating Exposure Menus].



(4) Completing editing

Select “OK”.
(“Cancel” → Cancels operation.)

2.1.3 Deleting Exposure Menus

Deletes exposure menus.

(1) Selecting the exposure menu

Select “Exposure Menu” in the “Exposure/Study Menu” field.

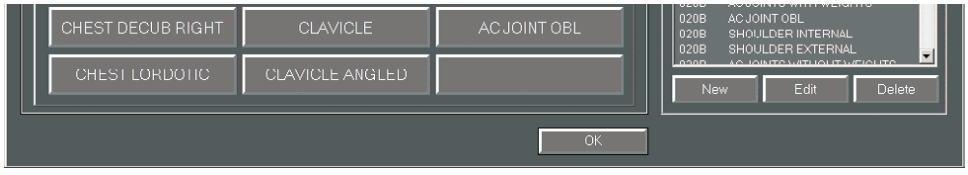
The exposure menus currently registered are listed. Select an exposure menu to be deleted.

NOTE

- Once the Fuji Standard exposure menu is deleted, it cannot be restored. (To restore exposure menus created by the user, they must be re-created.)
- Exposure menu which has been registered to be displayed cannot be deleted. To delete such exposure menus, perform in advance the operation described in [2.4.3 Deleting Display Menus]. Exposure menus registered in study menus cannot be deleted, either.

(2) Selecting the processing → Completing deletion

Select “Delete”.

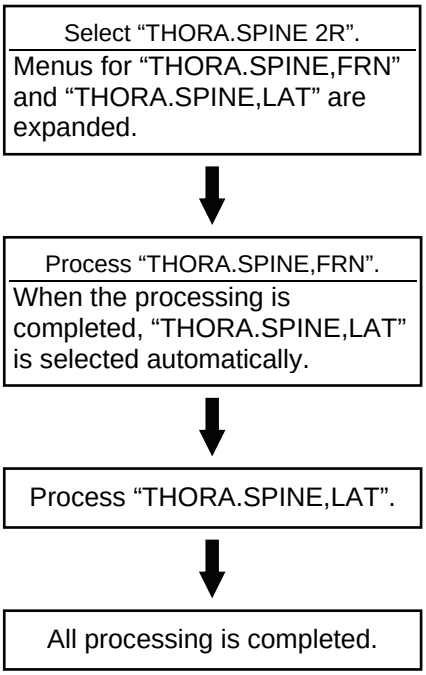


2.2 Study Menu Setting

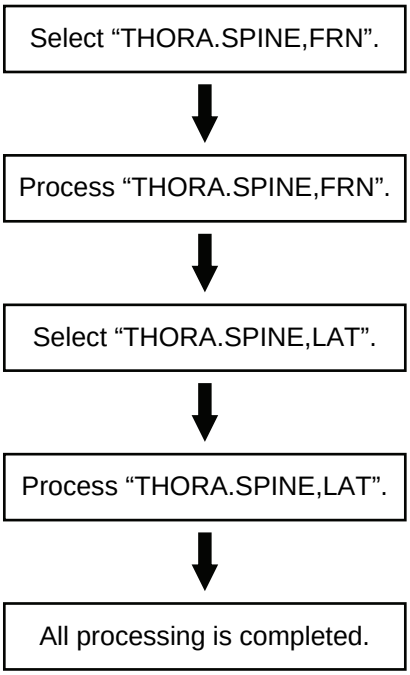
Creates, edits, and deletes study menus.
The study menu is the menu to which multiple exposure menus for study are registered together. For example, once the study menu named “THORA.SPINE 2R” to which “THORA.SPINE,FRN” and “THORA.SPINE,LAT” are registered is created, only by selecting the study menu, the necessary exposure menus can be ready for the study. As it is not necessary to select exposure menus every time performing the same study, this increases a work efficiency.

<Operation Flow>

In the case of study menus


Select “THORA.SPINE 2R”.
Menus for “THORA.SPINE,FRN” and “THORA.SPINE,LAT” are expanded.
Process “THORA.SPINE,FRN”.
When the processing is completed, “THORA.SPINE,LAT” is selected automatically.
Process “THORA.SPINE,LAT”.
All processing is completed.

In the case of exposure menus



2.2.1 Creating Study Menus

Creates study menus.

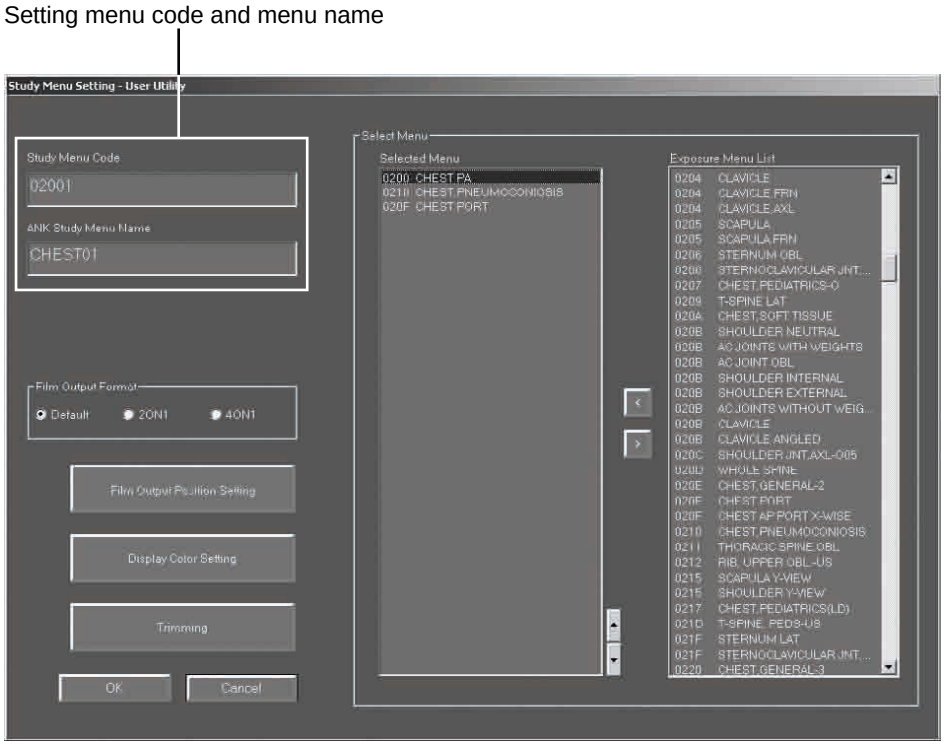
(1) Selecting the processing

Select “Study Menu” in the “Exposure/Study Menu” field.

Select “New”.

(2) Setting code/name

The “Study Menu Setting - User Utility” window is displayed.
Set a menu code and a menu name. (Set both items here, otherwise users cannot go to next operation step.)

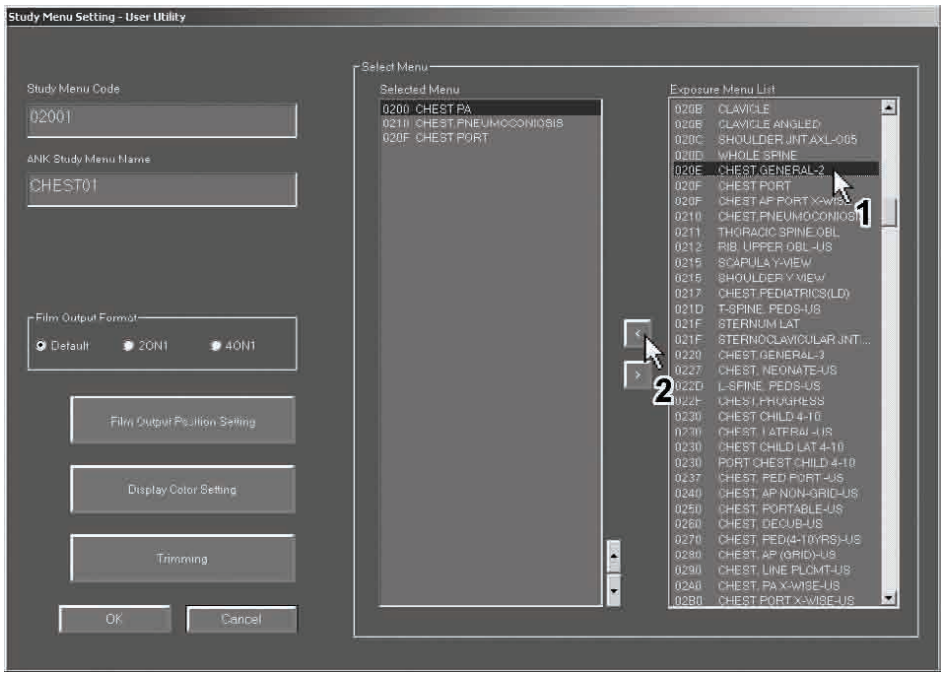


Study Menu Code :
The study menu code is the code to manage study menus.
Enter the desired code (a maximum of 16 characters, * and @ cannot be used). (Duplication with codes of other study menus is not allowed.)

Study Menu Name :
Enter the study menu name (a maximum of 64 characters, * and @ cannot be used).

(3) Selecting the exposure menu

Select an exposure menu to be registered in the “Exposure Menu List”, and then select <.
To select more than one (a maximum of 32 menus) exposure menu, repeat this operation.



The selected exposure menus are listed in the “Selected Menu”, and an exposure order reflects the order of the selection.
To cancel the selected exposure menu, select that exposure menu , and then select >.
To change the order of a selected exposure menu, select the exposure menu and then select ▲ (moves upwards)/ ▼ (moves downwards).

(4) Setting film output format

Select a film output format.

Default : Outputs the image on a film in the format set for each exposure menu.
2-on-1 : Outputs the image on a film in 2-on-1 format.
4-on-1 : Outputs the image on a film in 4-on-1 format.

NOTE

- When 2-on-1 or 4-on-1 format is set, the film output format cannot be changed in the routine operation.

(5) Setting film output position

When “2-on-1” or “4-on-1” is set for the film output format, set an output position of image on film.
Select “Film Output Position Setting”.

The “Film Output Position Setting - User Utility” window is displayed.
Select “OK” after completing the following operation.
(“Cancel” → Cancels operation.)

Relocating images :

Relocates images to desired positions.

Display a page that has an image whose position is to be changed (◀ / ▶ : page turn button), select the image, and then move the image to the objective position. The selected image will be replaced to an existing image in the transfer destination.

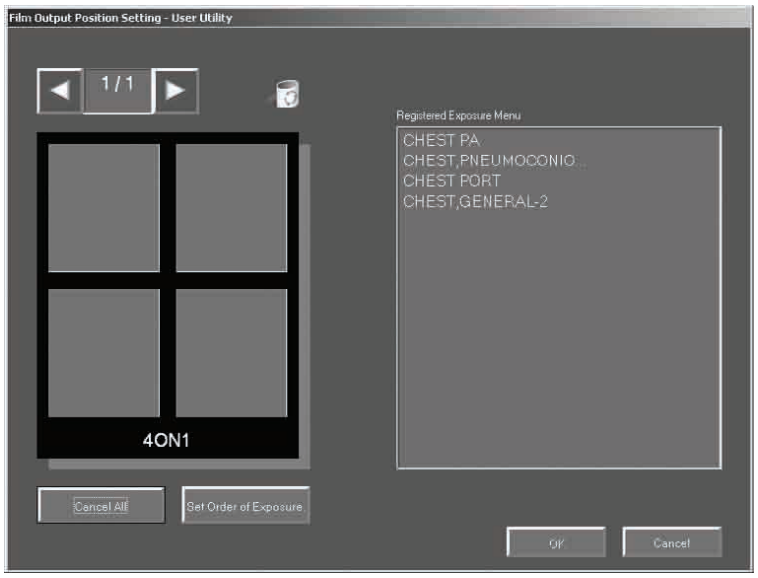
Passing on the page turn button on the way to the blank button makes page turn accordingly.

("Set Order of Exposure" → Relocates images in exposure order.)

Re-arranging after release of all image disposition :

Releases a current image disposition and re-arranges image positions.

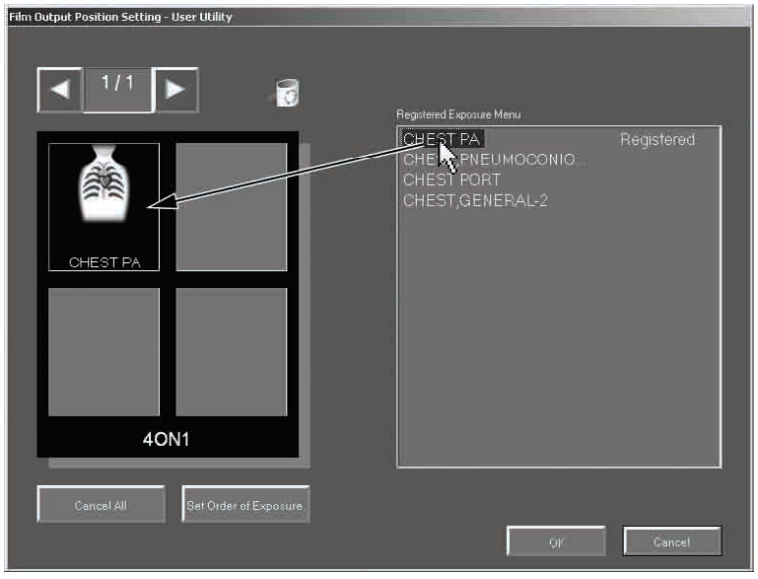
Select “Cancel All”. The current entire image disposition will be released.



Display the desired page for which an image will be located (◀ / ▶ : page turn button), select an exposure menu for the image from the “Registered Exposure Menu” field, and then move it to the objective position. The image will be located.

Passing on the page turn button on the way to the blank button makes page turn accordingly.

(“Set Order of Exposure” → Relocates images in exposure order.)



Repeat this operation to arrange all images.

Confirm that “Registered” is displayed for all exposure menus at the “Registered Exposure Menu” field after the operation.

Deleting images :

Deletes arranged images.

Display a desired page that has an image to be deleted (◀ / ▶ : page turn button), select the image, and then move it to 🗑. The image will be deleted.

After deletion, arrange all images by performing either operation of the “Relocating images” or “Re-arranging after release of all image disposition”.

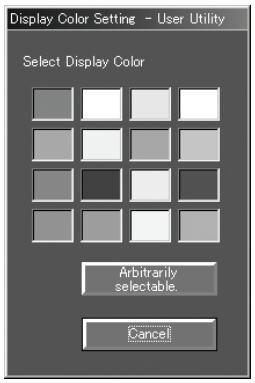
For how to arrange all images, see [Relocating images: in 2.2.1 Creating Study Menus] and [Re-arranging after release of all image disposition: in 2.2.1 Creating Study Menus].

Confirm that “Registered” is displayed for all exposure menus at the “Registered Exposure Menu” field after the operation.

(6) Setting display color

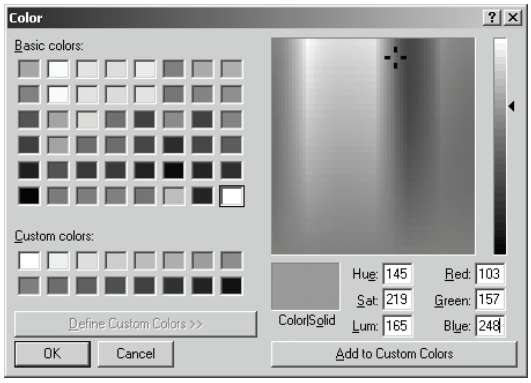
Select “Display Color Setting”.

The “Display Color Setting - User Utility” window is displayed.
Select a color for displaying study menu name.
(“Cancel” → Cancels operation.)



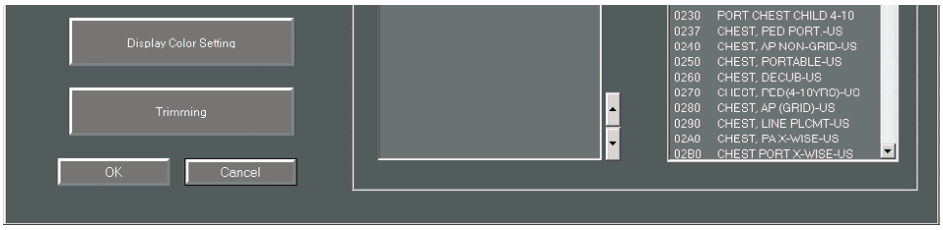
Besides those displayed, an optional color can be selected.
Press the “Arbitrarily selectable” button.

The “Color” window is displayed. After selecting a color, select “OK”.
(“Cancel” → Cancels operation.)

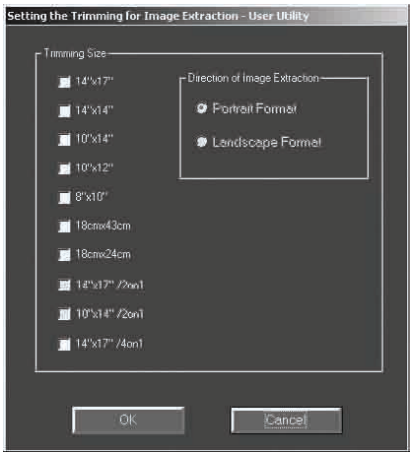


(7) Setting trimming processing

Select “Trimming”.



The “Setting the Trimming for Image Extraction - User Utility” dialog then opens. (The “Trimming” button can be selected only when the trimming option has been activated.)



Trimming Size :
Specify one trimming size for the selected study menu.

Direction of Image Extraction :
Specify whether to extracting an image to be trimmed in the specified size vertically or horizontally.
Select “OK” after you have specified a trimming size and a direction of image extraction.
(“Cancel” → Cancels operation.)

(8) Completing creation

Select “OK”.
(“Cancel” → Cancels operation.)

The created study menu is not displayed on the Routine Operation Screen until registering the display of the menu. To continue to register the display of the exposure menu, perform the operation in [2.4.1 Registering Display Menus].

2.2.2 Editing Study Menus

Edits information of study menus.

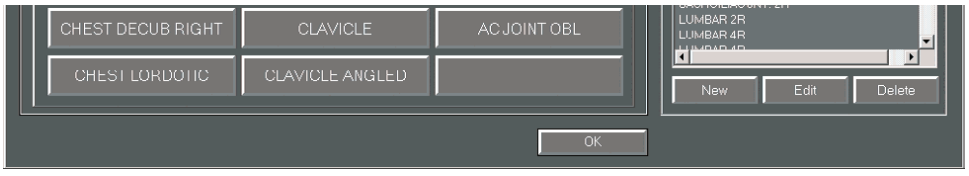
(1) Selecting the study menu

Select “Study Menu” in the “Exposure/Study Menu” field.

The study menus currently registered are listed. Select a study menu to be edited.
Study menu (button) can be selected in the “Display Setting” field as well. (In that case, the operation above is not necessary.)

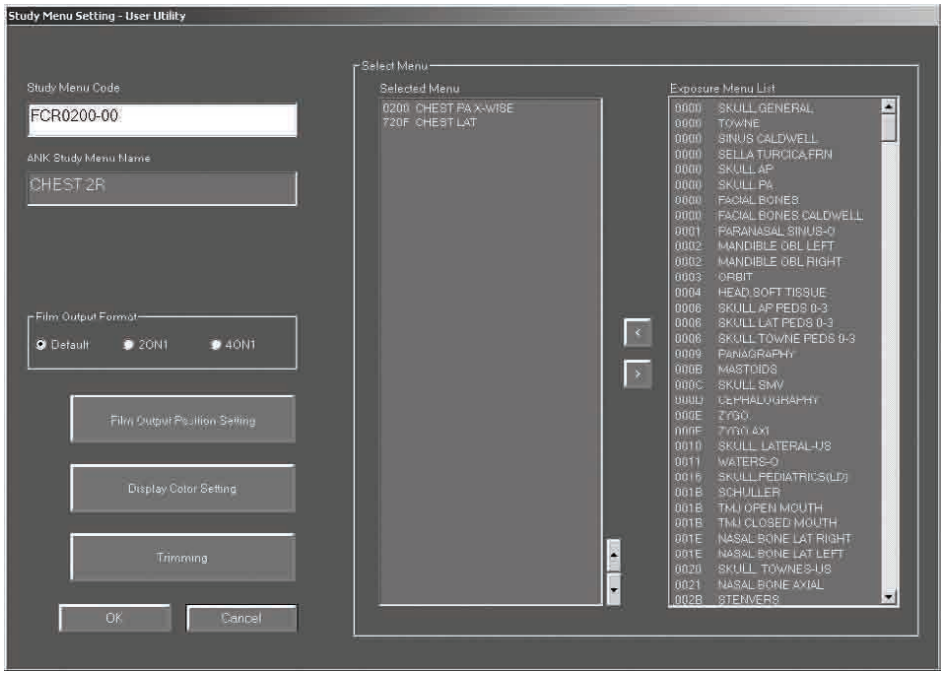
(2) Selecting the processing

Select “Edit”.



(3) Various settings

The “Study Menu Setting - User Utility” window is displayed.
To edit study menus, use the procedures in [(2) Setting code/name through (7) Setting trimming processing under 2.2.1 Creating Study Menus].



(4) Completing editing

Select “OK”.
(“Cancel” → Cancels operation.)

2.2.3 Deleting Study Menus

Deletes study menus.

(1) Selecting the study menu

Select “Study Menu” in the “Exposure/Study Menu” field.

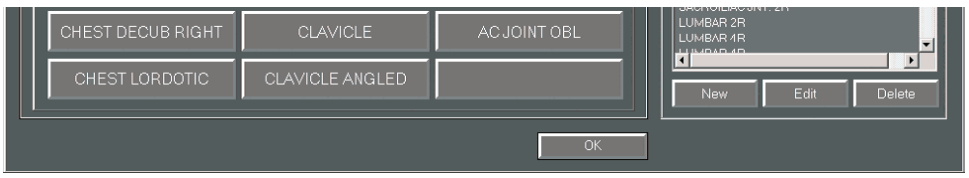
The exposure menus currently registered are listed. Select a study menu to be deleted.

NOTE

- A study menu which was registered to be displayed cannot be deleted. To delete such a study menu, perform in advance the operation described in [2.4.3 Deleting Display Menus].

(2) Selecting the processing → Completing deletion

Select “Delete”.

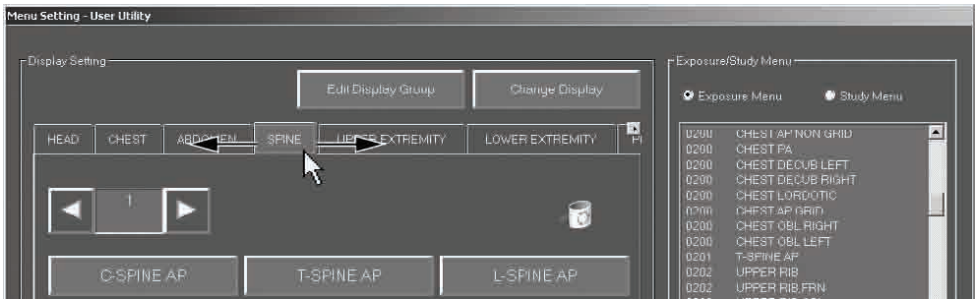


2.3 Display Group Setting

Creates, relocates, renames, and deletes display groups of menus for the screen of routine operation mode, and also sets them not to be displayed on the screen.

2.3.1 Relocating Display Groups

Relocates display groups.
Select the tab of a display group to be relocated, and then move it to left or right.



2.3.2 Renaming Display Groups

Renames display groups.

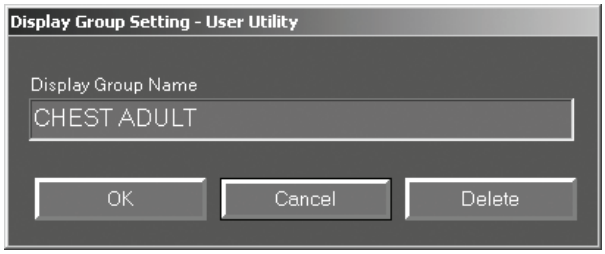
(1) Selecting the display group

Select the tab of a display group to be renamed.

(2) Setting name → completing rename

Select “Edit Display Group”.

The “Display Group Setting - User Utility” window is displayed.
Enter the display group name (a maximum of 64 characters, * and @ cannot be used), and then select “OK”.
(“Cancel” → Cancels operation.)



2.3.3 Deleting Display Groups

Deletes display groups.

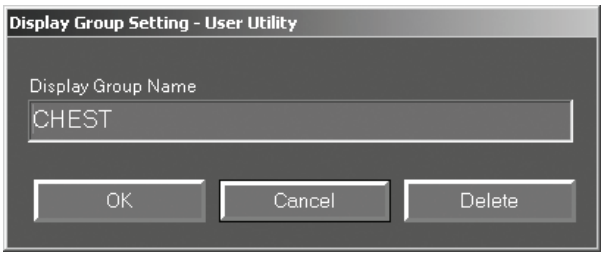
(1) Selecting the display group

Select the tab of a display group to be deleted.

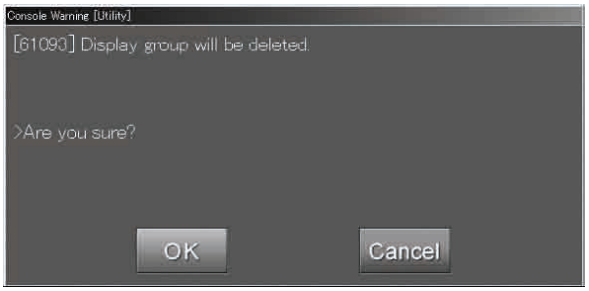
(2) Setting the processing → completing deletion

Select “Edit Display Group”.

The “Display Group Setting - User Utility” window is displayed.
Select “Delete”.



A confirmation box is displayed.
Select “OK”.
(“Cancel” → Cancels operation.)



2.3.4 Setting Non-display to Display Groups

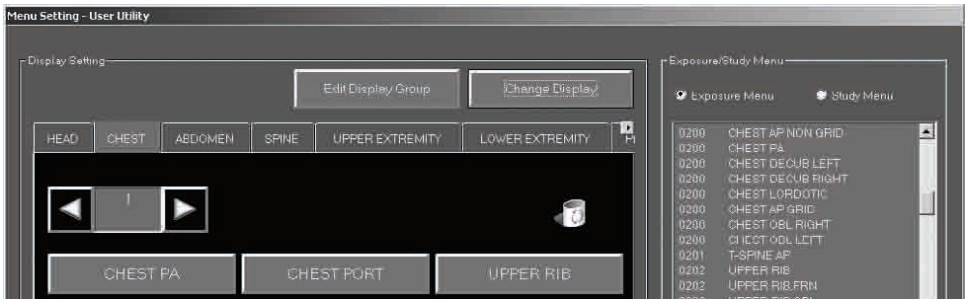
Sets display groups not to be displayed.

(1) Selecting the display group

Select the tab of a display group not to be displayed.

(2) Selecting the processing → completing setting

Select “Change Display”. The folder of the selected display group is inactivated (displayed in dark color).
To release non-display, select “Change Display” again.



2.4 Display Menu Setting

Registers, relocates, and deletes menus to be displayed on the routine operation screen.

2.4.1 Registering Display Menus

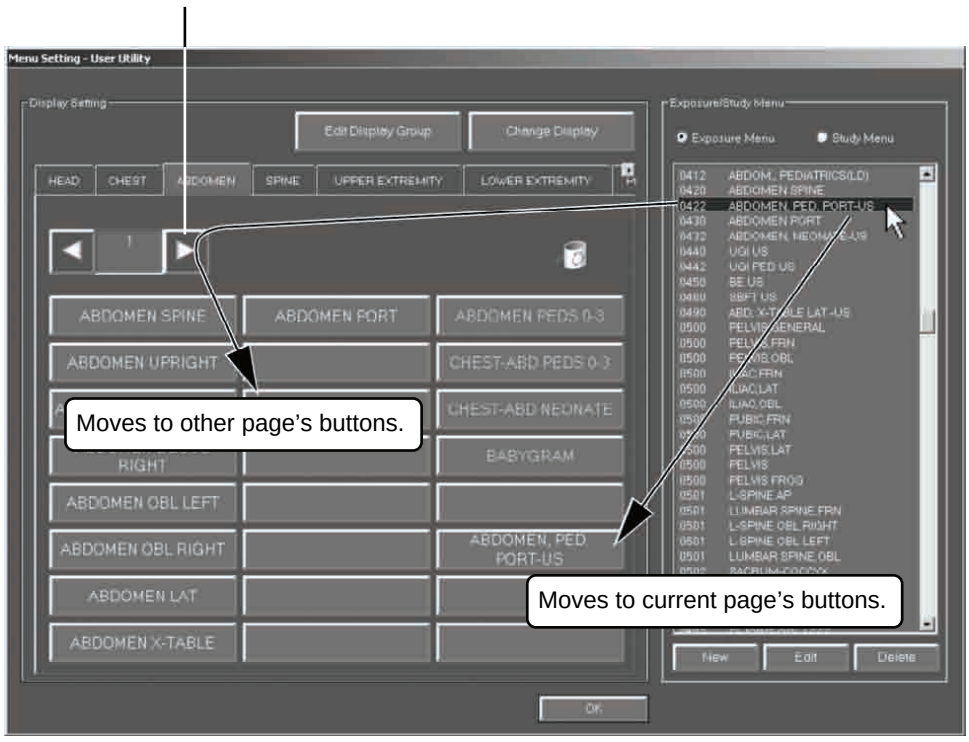
Registers display menus.

(1) Selecting the display group

Select the tab of a display group to which the menu is to be registered, and then display a page which has a blank button (◀ / ▶ : page turn button).

(2) Executing registration

Select the menu to be registered from the list in the “Exposure/Study Menu” field, and then move it onto the desired blank button.
Passing on the page turn button on the way to the blank button makes page turn accordingly.



2.4.2 Relocating Display Menus

Relocates display menus.

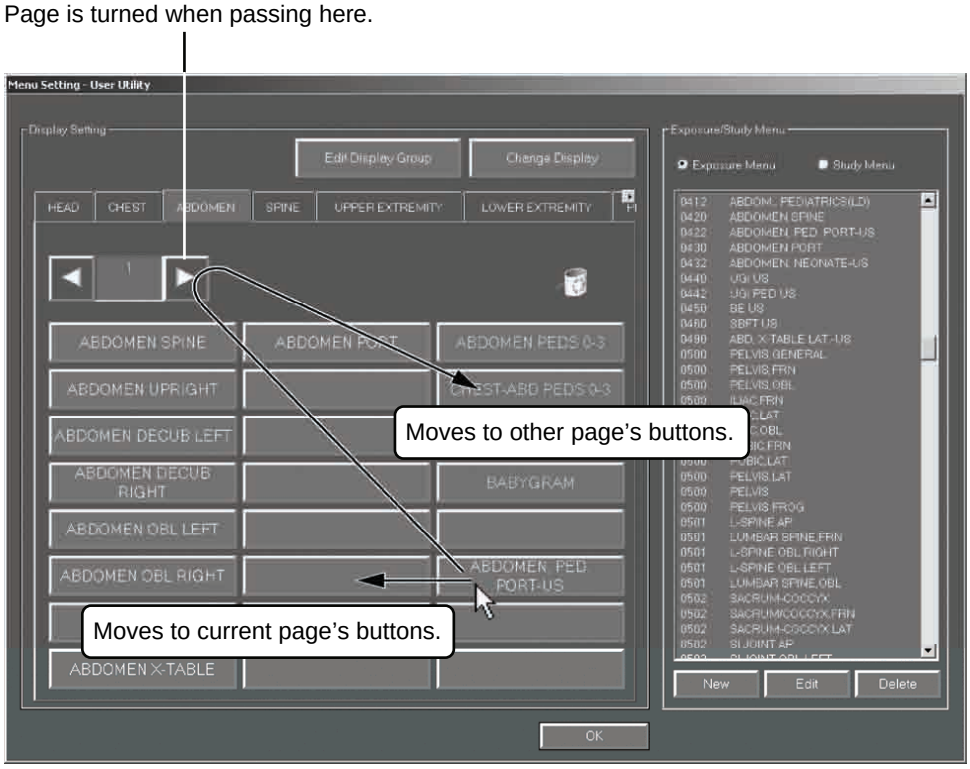
(1) Selecting the display group

Select the tab of a display group to which the menu to be relocated is registered, and then display the page to which the menu is registered (◀ / ▶ : page turn button).

(2) Executing relocation

Select the menu to be located, and then move it onto the desired blank button. If the menu is moved onto a menu on which a menu is already displayed, the moved menu and the existing menu switch their locations.

Passing on the page turn button on the way to the desired button makes page turn accordingly.



2.4.3 Deleting Display Menus

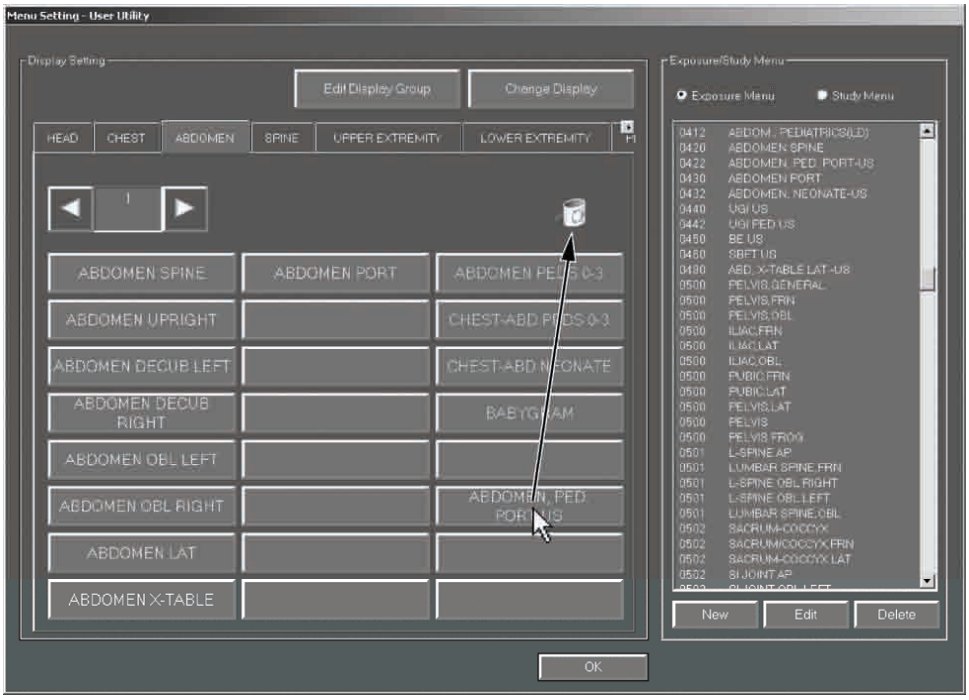
Deletes display menus.

(1) Selecting the display group

Select the tab of a display group to be deleted is registered, and then display the page to which the menu is registered (◀ / ▶ : page turn button).

(2) Executing deletion

Select the menu to be delet1ed, and then move it onto 🗑.



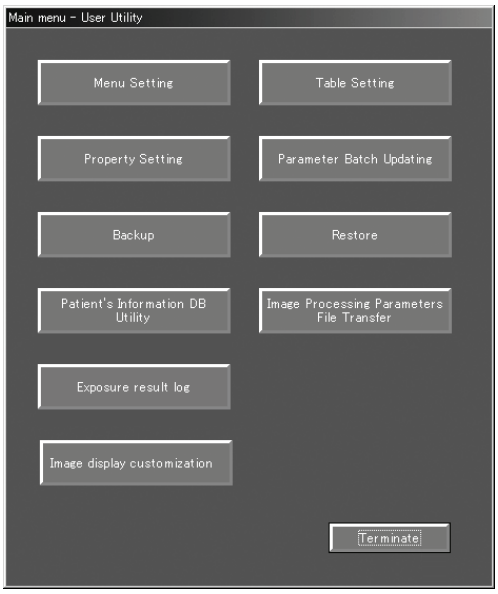
FUJI COMPUTED RADIOGRAPHY

Chapter 3

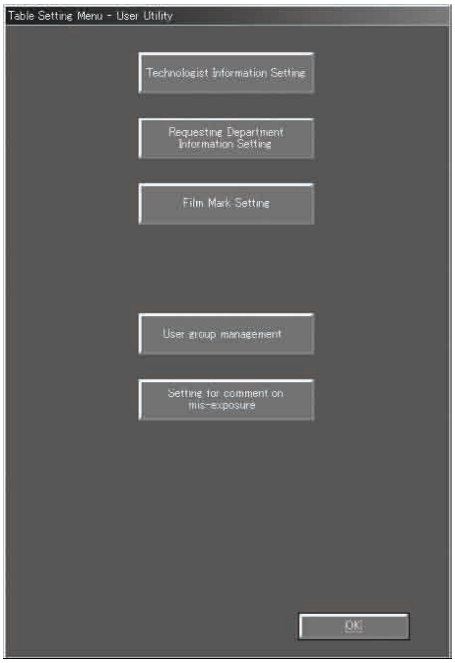
TABLE SETTING

This Chapter describes settings for information tables.

Select “Table Setting”.



The “Table Setting Menu - User Utility” window is displayed.
Perform the operation of each menu, and then select “OK”.

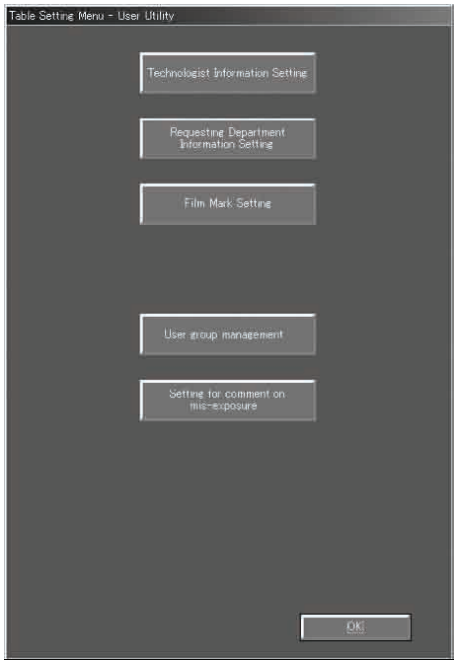


Operations are described by the menu, hereafter.

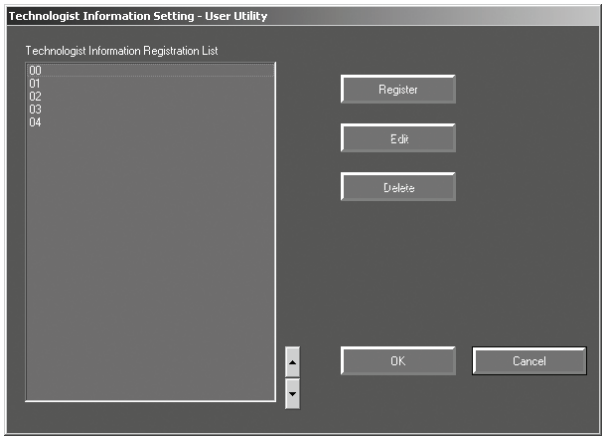
3.1 Technologist Information Setting

Registers, edits, relocates, and deletes technologist information.

Select “Technologist Information Setting”.

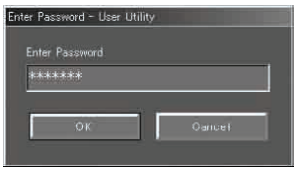


The “Technologist Information Setting - User Utility” window is displayed.
Perform the operation described as follows, and then select “OK”.
(“Cancel” → Cancels operation.)



NOTE

- When the user authentication has been specified to be used according the Maintenance Utility settings, the “Enter Password - User Utility” dialog will open if you select “Technologist Information Setting”.
  Enter a user password registered as the “Administrator” and then select “OK”. The “Technologist Information Setting - User Utility” window will be displayed.
  (“Cancel” → Cancels operation.)

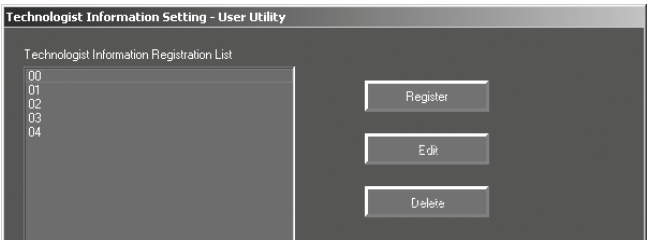


3.1.1 Registering Technologist Information

Registers technologist information.

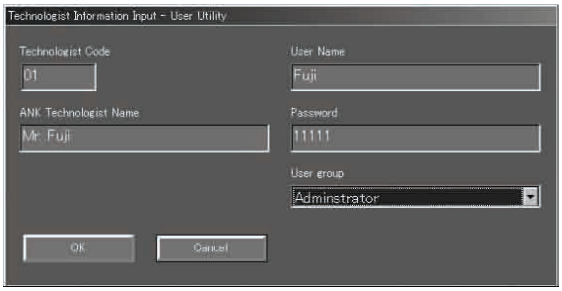
(1) Selecting the processing

Select “Register”.



(2) Setting code/name → Completing registration

The “Technologist Information Input - User Utility” window is displayed.
Set necessary items accordingly, and then select “OK”.
(“Cancel” → Cancels operation.)



Technologist Code :
Enter the technologist code (a maximum of two characters, * and @ cannot be used). (Duplication with codes of other technologists is not allowed.)

Technologist Name :
Enter the technologist name (a maximum of 64 characters, and * cannot be used). (Duplication with names of other technologists is not allowed.)

User Name :
Enter a user name to be used when logging into the system (a maximum of 64 characters, and * cannot be used). (Duplication with codes of other technologists is not allowed.)
Note that a box where a user name is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

Password :
Enter a password to be used when logging into the system (a maximum of 20 characters).
(Duplication with codes of other technologists is not allowed.)
Note that a box where a password is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

User Group :
Select from the dropdown list a user group to be assigned to the technologist. Available capabilities are limited by the function allowed to the user group.
For details of this function, see [3.4 Use Group Management].
Note that a box where a user group is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

NOTE

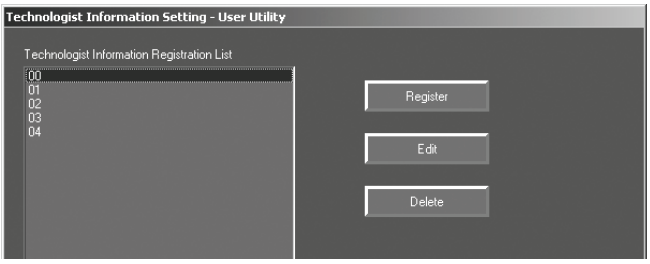
If more than 150 technologist names are registered, the display of the Retake Analysis function may slow down. In this case, delete unused technologist information after confirmation. For details, refer to [Chapter 3 TABLE SETTING].

3.1.2 Editing Technologist Information

Edits technologist information.

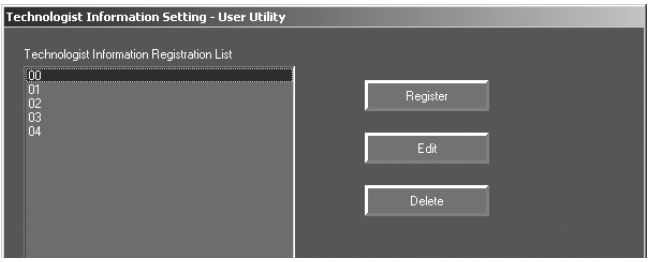
(1) Selecting the technologist code

Select the code of the technologist information to be edited.



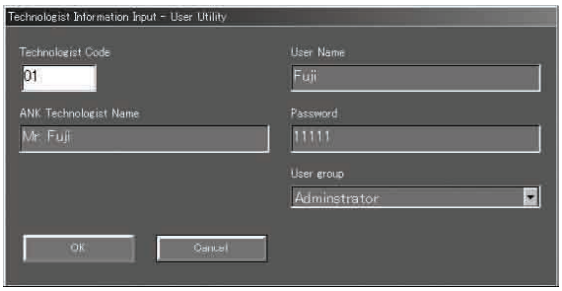
(2) Selecting the processing

Select “Edit”.



(3) Setting code/name → Completing editing

The “Technologist Information Input - User Utility” window is displayed.
Set necessary items accordingly, and then select “OK”.
(“Cancel” → Cancels operation.)



Technologist Code :
Enter the technologist code (a maximum of two characters, * and @ cannot be used). (Duplication with codes of other technologists is not allowed.)

Technologist Name :
Enter the technologist name (a maximum of 64 characters, and * cannot be used). (Duplication with names of other technologists is not allowed.)

User Name :
Enter a user name to be used when logging into the system (a maximum of 64 characters, and * cannot be used). (Duplication with codes of other technologists is not allowed.)
Note that a box where a user name is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

Password :
Enter a password to be used when logging into the system (a maximum of 20 characters). (Duplication with codes of other technologists is not allowed.)
Note that a box where a password is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

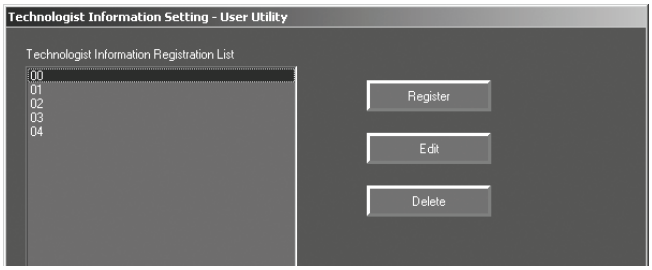
User Group :
Select from the dropdown list a user group to be assigned to the technologist. Available capabilities are limited by the function allowed to the user group.
For details of this function, see [3.4 Use Group Management].
Note that a box where a user group is to be set up will appear when the user authentication has been specified to be used according to the Maintenance Utility settings.

3.1.3 Relocating Technologist Information

Relocates technologist information (technologist codes).

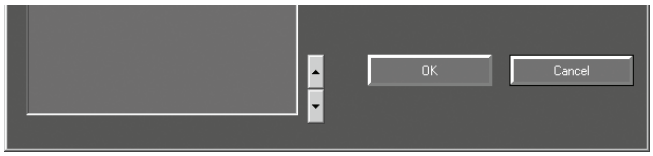
(1) Selecting the technologist code

Select the code of the technologist information to be relocated.



(2) Performing relocation

Select ▲ (moves upwards)/ ▼ (moves downwards) to relocate the information.

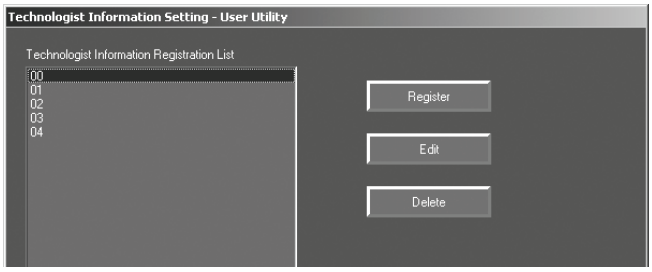


3.1.4 Deleting Technologist Information

Deletes technologist information.

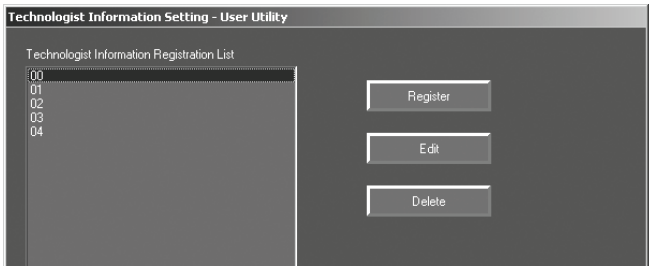
(1) Selecting the technologist code

Select the code of the technologist information to be deleted.



(2) Selecting the processing → Completing deletion

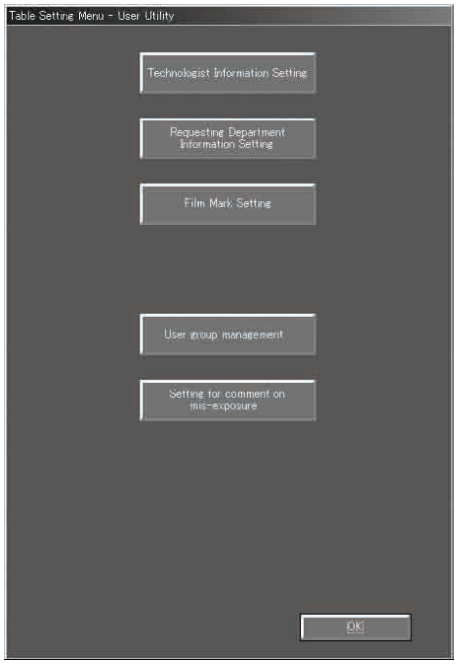
Select “Delete”.



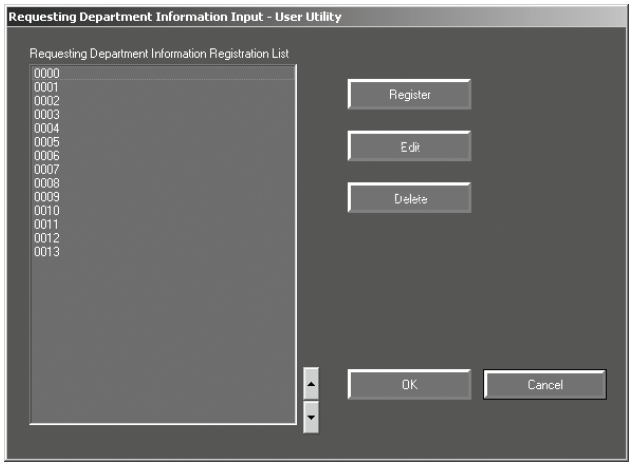
3.2 Requesting Department Information Setting

Registers, edits, relocates, and deletes requesting department information.

Select “Requesting Department Information Setting”.



The “Requesting Department Information Setting - User Utility” window is displayed.
Perform the operation described as follows, and then select “OK”.
(“Cancel” → Cancels operation.)

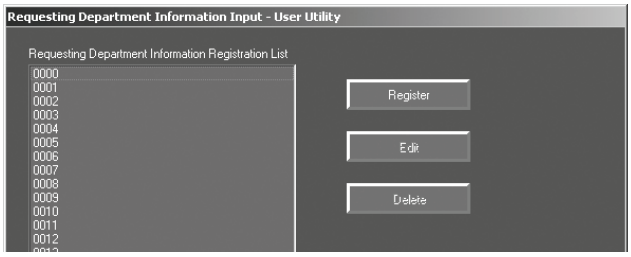


3.2.1 Registering Requesting Department Information

Registers requesting department information.

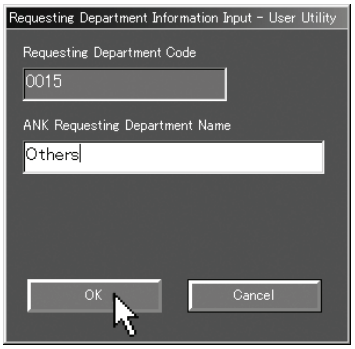
(1) Selecting the processing

Select “Register”.



(2) Setting code/name → Completing registration

The “Requesting Department Information Input - User Utility” window is displayed.
Set the requesting department code and requesting department name, and then select “OK”.
(“Cancel” → Cancels operation.)



Requesting Department Code :
Enter the requesting department information code (a maximum of 16 characters, * and @ cannot be used). (Duplication with codes of other requesting department is not allowed.)

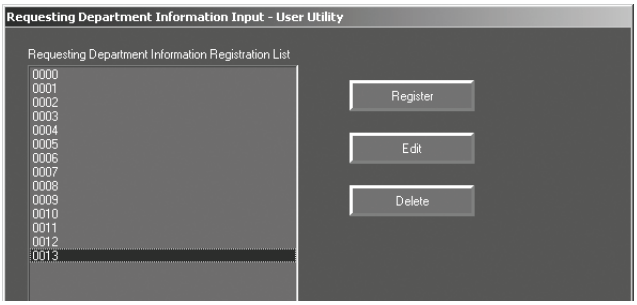
Requesting Department Name :
Enter the requesting department name (a maximum of 64 characters, * and @ cannot be used). (Duplication with names of other requesting department is not allowed.)

3.2.2 Editing Requesting Department Information

Edits requesting department information.

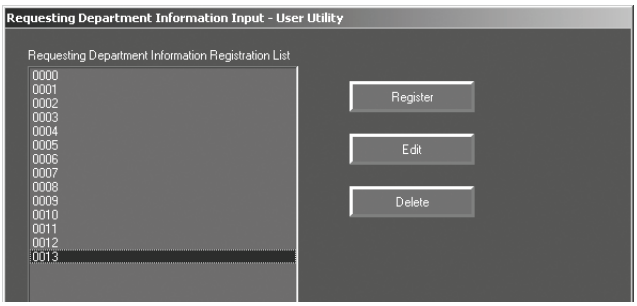
(1) Selecting the requesting department code

Select the code of the requesting department information to be edited.



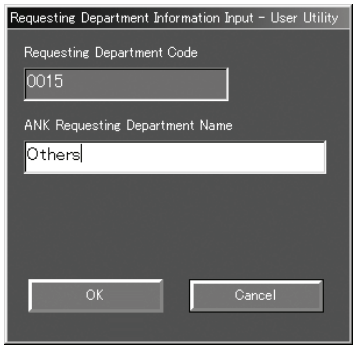
(2) Selecting the processing

Select “Edit”.



(3) Setting code/name → Completing editing

The “Requesting Department Information Input - User Utility” window is displayed.
Set requesting department code and requesting department name, and then select “OK”.
(“Cancel” → Cancels operation.)



Requesting Department Code :
Enter the requesting department information code (a maximum of 16 characters, * and @ cannot be used). (Duplication with codes of other requesting departments is not allowed.)

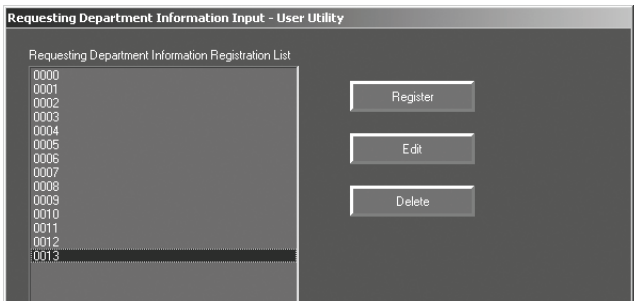
Requesting Department Name :
Enter the requesting department name (a maximum of 64 characters, * and @ cannot be used). (Duplication with names of other requesting departments is not allowed.)

3.2.3 Relocating Requesting Department Information

Relocates requesting department information (requesting department codes).

(1) Selecting the requesting department code

Select the code of the requesting department to be relocated.



(2) Performing relocation

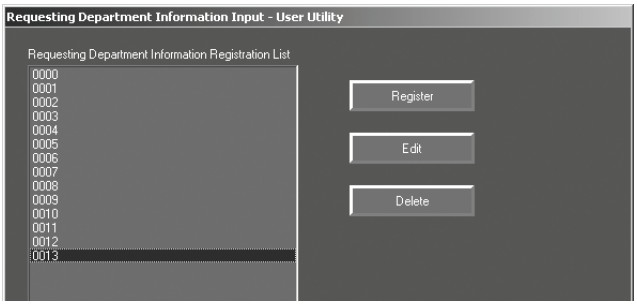
Select ▲ (move upwards)/ ▼ (move downwards) to relocate the information.

3.2.4 Deleting Requesting Department Information

Deletes requesting department information.

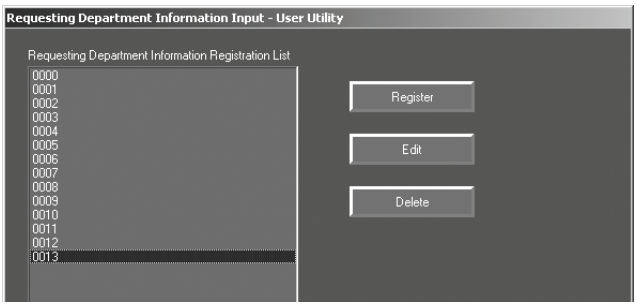
(1) Selecting the requesting department code

Select the code of the requesting department information to be deleted.



(2) Selecting the processing → Completing deletion

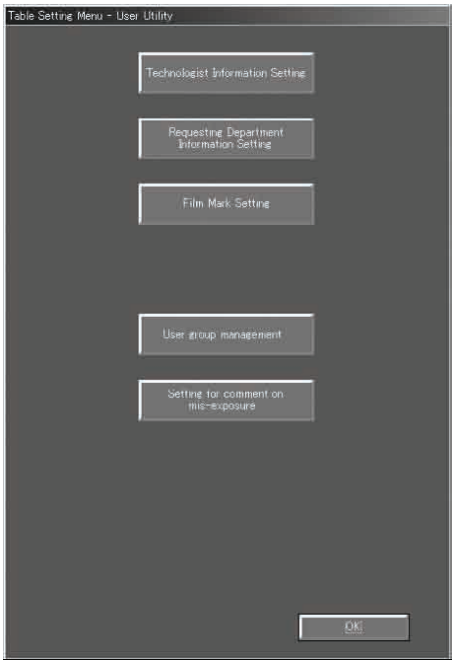
Select “Delete”.



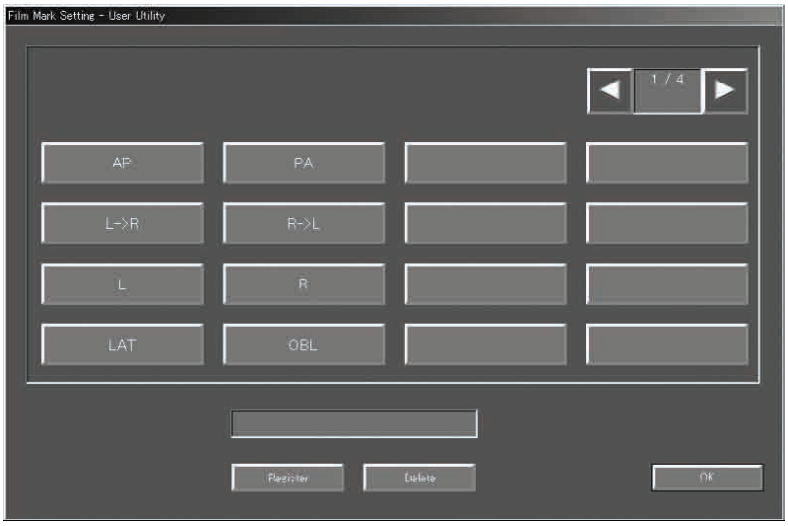
3.3 Film Mark Setting

Registers, edits, relocates, and deletes film marks.

Select “Film Mark Setting”.



The “Film Mark Setting - User Utility” window is displayed.
Perform the operation described as follows, and then select “OK”.



3.3.1 Registering/Editing Film Marks

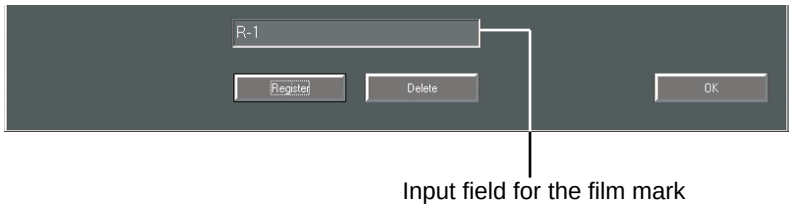
Registers/edits film marks.

(1) Selecting the button

When newly registering a film mark, select a blank button. When editing the film mark, display a page which has the desired film mark (◀ / ▶ : page turn button), and then select the button.

(2) Completing registration/editing

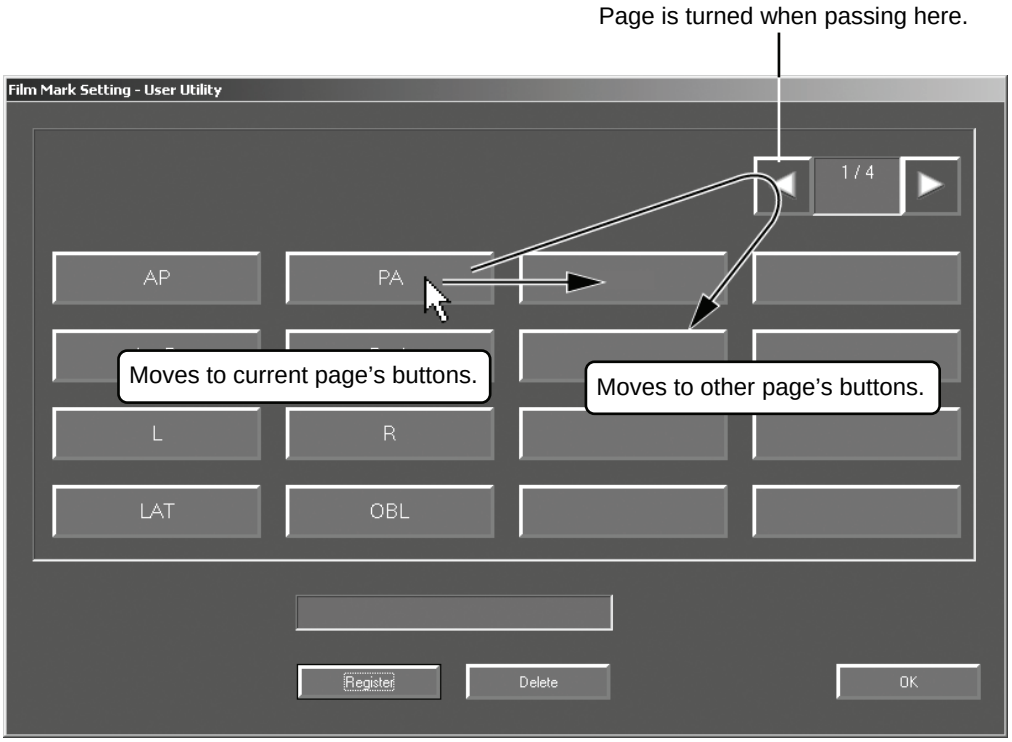
Enter the film mark (a maximum of ten characters, * and @ cannot be used), and then select “Register”.



3.3.2 Relocating Film Marks

Relocates film marks.

Display the page to which the film mark to be relocated is registered (◀ / ▶ : page turn button) and select the film mark, and then move it onto the desired button. If the film mark is moved onto a button on which a film mark is already displayed, the moved film mark and the film mark to be relocated switch their locations.
Passing on the page turn button on the way to the desired button makes page turn accordingly.



3.3.3 Deleting Film Marks

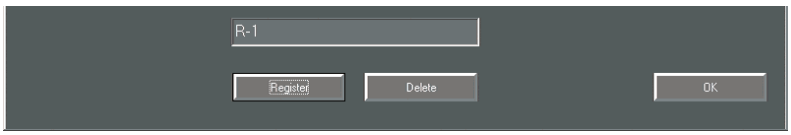
Deletes film marks.

(1) Selecting the film mark

Display the page to which the film mark to be deleted (◀ / ▶ : page turn button), and then select the film mark.

(2) Completing deletion

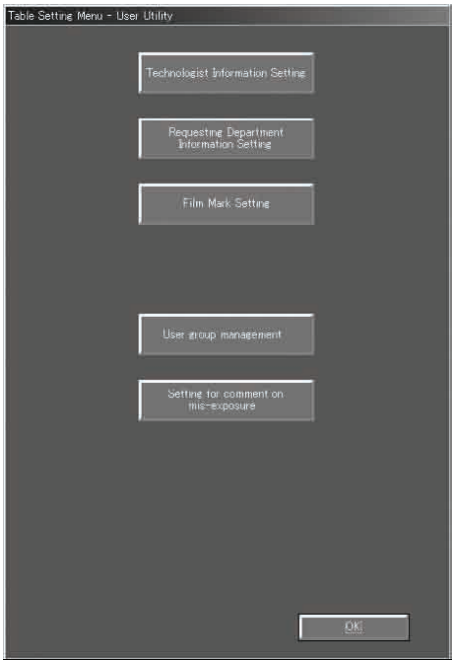
Select “Delete”.



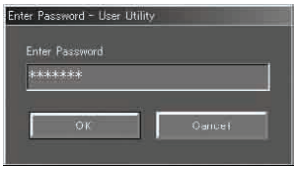
3.4 User Group Management

Manages user groups.
This function is available when the user authentication has been specified to be used according the Maintenance Utility settings.

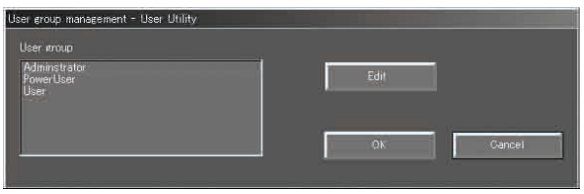
Select “User group management”.



The “Enter Password - User Utility” window will open.
Enter a user password registered as the “Administrator” and then select “OK”.
(“Cancel” → Cancels operation.)



The “User group management - User Utility” window will open.
Perform operations described herein and then select “OK”.
(“Cancel” → Cancels operation.)



(1) Selecting the user group

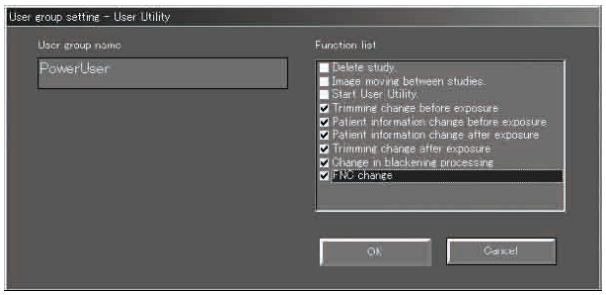
Select a user group you wish to edit.

(2) Selecting the processing

Select “Edit”.

(3) Setting the permission function → Completing editing

The “User group setting - User Utility” window will open.
Select and check a box for the function to be permitted to the user group. Unchecked functions are not permitted to the user group.
Note that the “User name” and “User group name” cannot be changed.

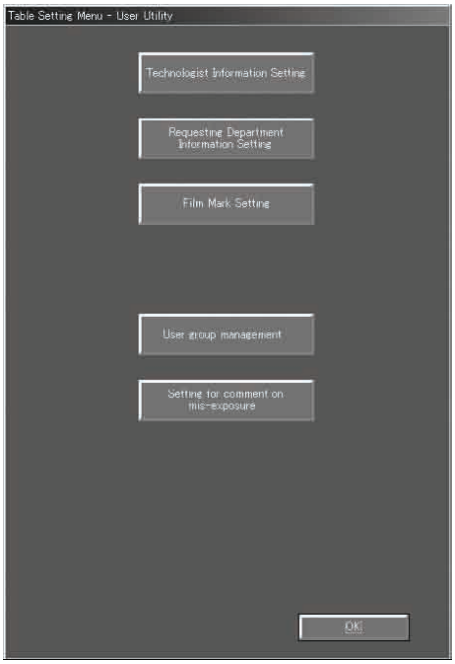


Select then “OK”.

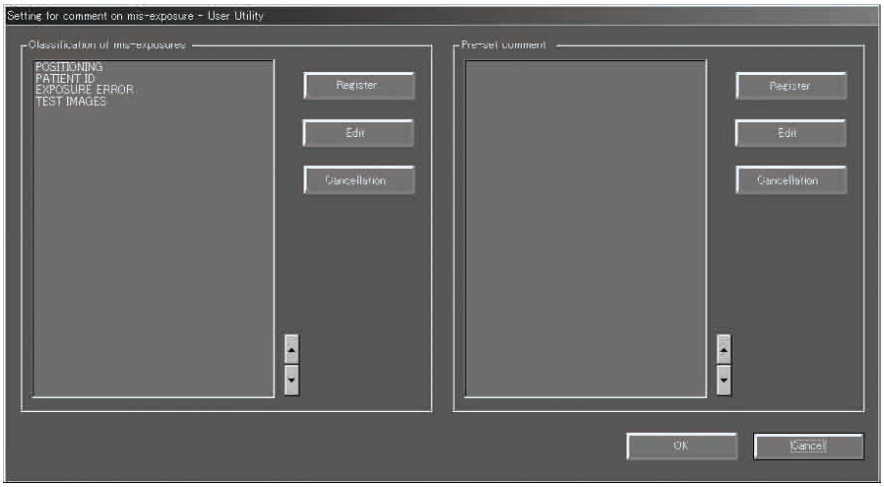
3.5 Setting for Comment on Mis-exposure

Registers, edits, relocates, and deletes comments on mis-exposures.
This function is available when a reason for the mis-exposure has been specified to be input according to the Maintenance Utility settings.

Select “Setting for comment on mis-exposure”.



The “Setting for comment on mis-exposure - User Utility” window will open.
After registering a classification of the mis-exposure, you can register preset comments for each mis-exposure classification.
Perform operations described herein and then select “OK”.
(“Cancel” → Cancels operation.)

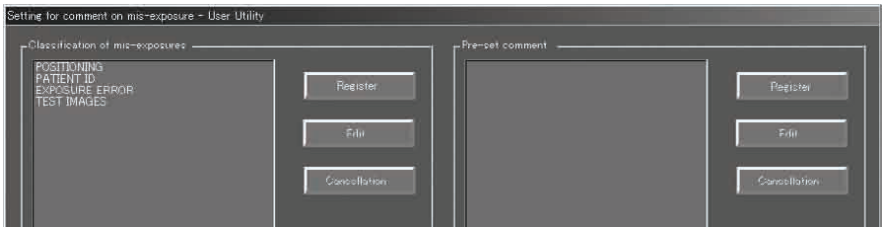


3.5.1 Registering the Mis-exposure Classification

Registers the mis-exposure classification.

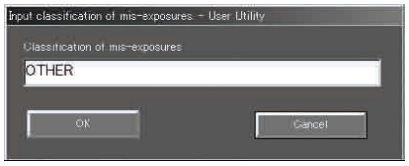
(1) Selecting the processing

Select “Register” from the “Classification of mis-exposure” item.



(2) Completing the registration

The “Input classification of mis-exposures - User Utility” window will open.
Input a classification for the mis-exposure and then select “OK”.
(“Cancel” → Cancels operation.)

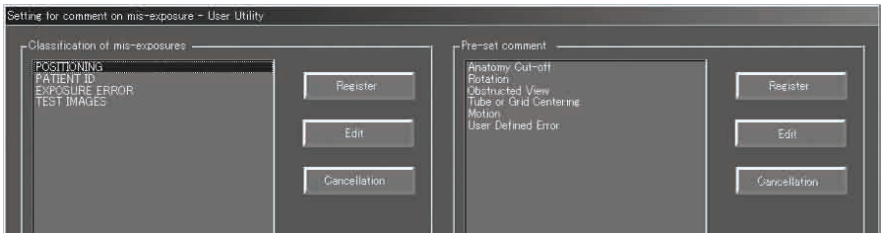


3.5.2 Editing the Mis-exposure Classification

Edits a mis-exposure classification.

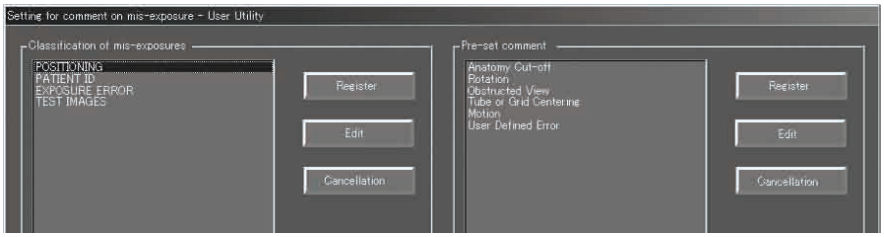
(1) Selecting the mis-exposure classification

Select a mis-exposure classification you wish to edit.



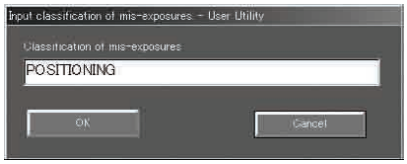
(2) Selecting the processing

Select “Edit” from the “Classification of mis-exposure” item.



(3) Completing editing

The “Input classification of mis-exposures - User Utility” window will open.
Input a mis-exposure classification and then select “OK”.
(“Cancel” → Cancels operation.)

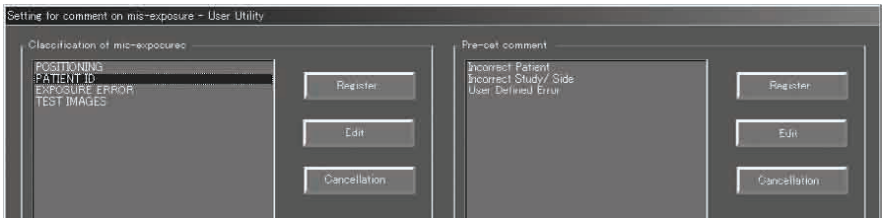


3.5.3 Relocating the Mis-exposure Classification

Relocates a mis-exposure classification.

(1) Selecting a mis-exposure classification

Select a mis-exposure classification you wish to relocate.



(2) Executing relocation

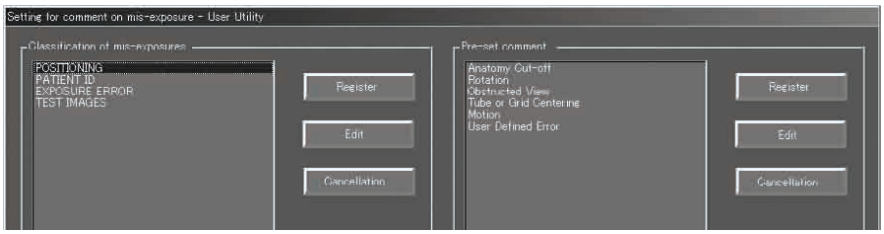
Select ▲ (moves upward)/ ▼ (moves downward) to relocate the failed image category accordingly.

3.5.4 Deleting the Mis-exposure Classification

Deletes a mis-exposure classification.
Using this function will fully delete also preset comments registered to the mis-exposure classification to be deleted.

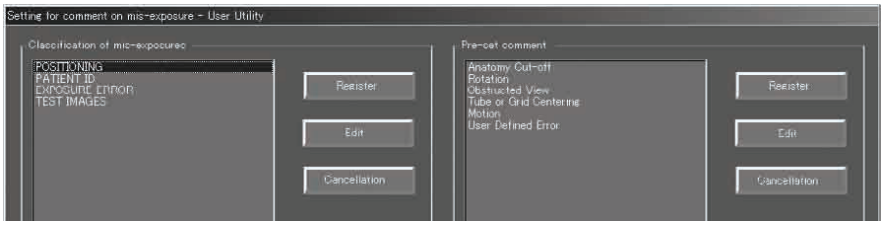
(1) Selecting the mis-exposure classification

Select a mis-exposure classification you wish to delete.



(2) Selecting the processing → Completing the deletion

Select “Cancellation” from the “Classification of mis-exposures” item.



3.5.5 Registering Preset Comments

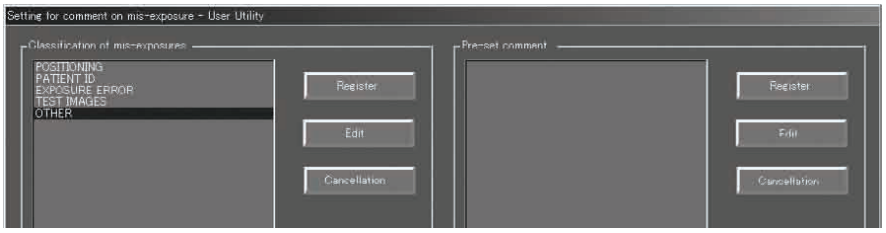
Registers preset comments.

(1) Selecting the mis-exposure classification

Select a mis-exposure classification for which you wish to register preset comments.

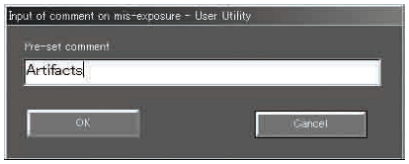
(2) Selecting the processing

Select “Register” from the “Preset comments” item.



(3) Completing the registration

The “Input of comment on mis-exposure - User Utility” window will open.
Input preset comments and then select “OK”.
(“Cancel” → Cancels operation.)

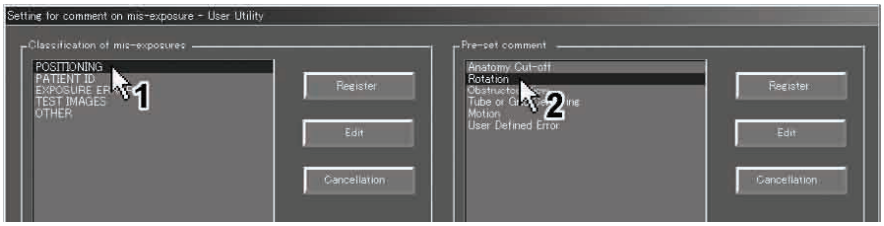


3.5.6 Editing Preset Comments

Edits preset comments.

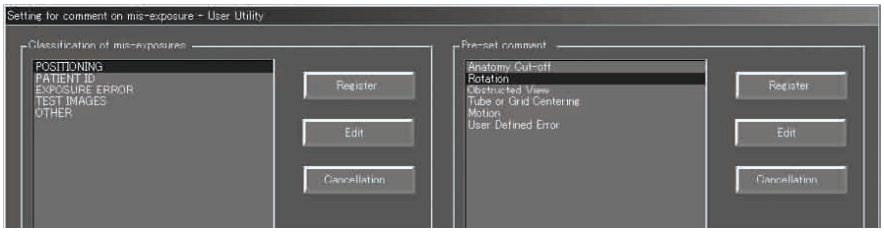
(1) Selecting the mis-exposure classification → Selecting preset comments

Select a mis-exposure classification and then preset comments you wish to edit.



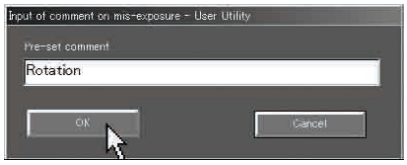
(2) Selecting the processing

Select “Edit” from the “Preset comments” item.



(3) Completing editing

The “Input of comment on mis-exposure - User Utility” window will open.
Input preset comments and then select “OK”.
(“Cancel” → Cancels operation.)

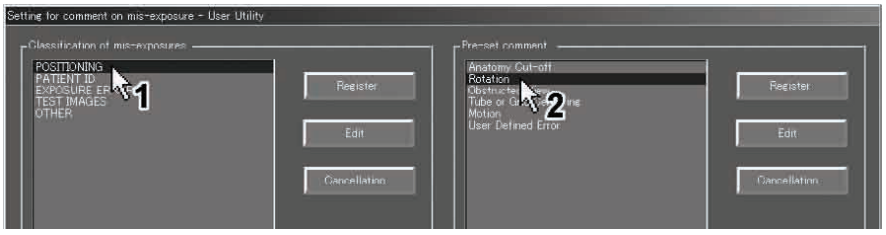


3.5.7 Relocating Preset Comments

Relocates preset comments.

(1) Selecting the mis-exposure classification → Selecting preset comments

Select a mis-exposure classification and then preset comment you wish to relocate.



(2) Selecting the processing → Completing deletion

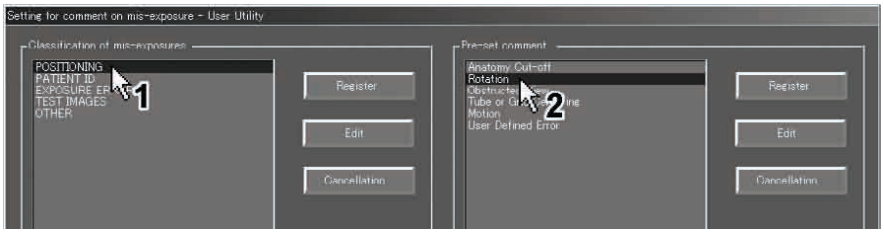
Select ▲ (moves upward)/ ▼ (moves downward) to relocate the preset comments accordingly.

3.5.8 Deleting Preset Comments

Deletes preset comments.

(1) Selecting the mis-exposure classification → Selecting preset comments

Select a mis-exposure classification and then preset comments you wish to delete.



(2) Selecting the processing

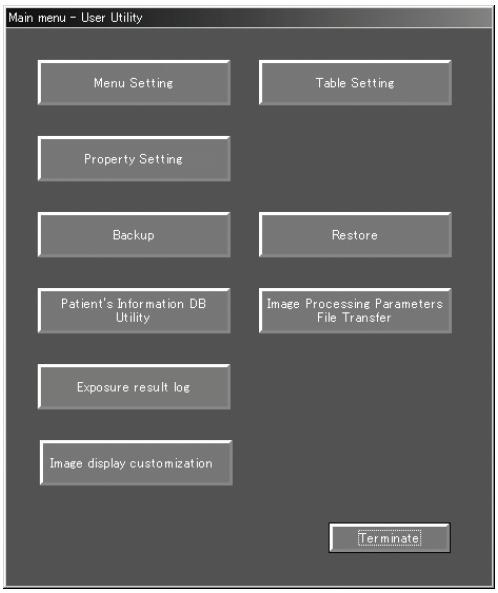
Select “Cancellation” from the “Preset comments” item.

FUJI COMPUTED RADIOGRAPHY

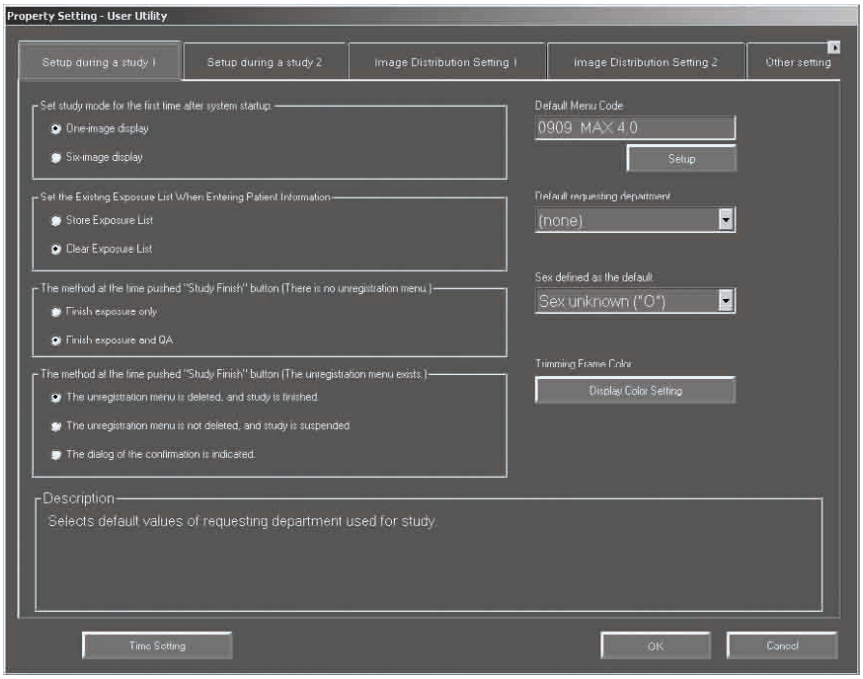
Chapter 4

PROPERTY SETTING

This Chapter describes settings for the operating environment.
Select “Property Setting”.



The “Property Setting - User Utility” window is displayed.
Set each item, and then select “OK”. The description of each item is displayed in the “Description” field at the time of setting.
(“Cancel” → Cancels operation.)


Property Setting - User Utility
Setup during a study 1
Setup during a study 2
Image Distribution Setting 1
Image Distribution Setting 2
Other setting
Set study mode for the first time after system startup
One-image display
Six-image display
Set the Existing Exposure List When Entering Patient Information
Store Exposure List
Clear Exposure List
The method at the time pushed "Study Finish" button (There is no unregistration menu.)
Finish exposure only
Finish exposure and QA
The method at the time pushed "Study Finish" button (The unregistration menu exists.)
The unregistration menu is deleted, and study is finished.
The unregistration menu is not deleted, and study is suspended.
The dialog of the confirmation is indicated.
Default Menu Code
0909 MAX 4.0
Setup
Default requesting department
(none)
Sex defined as the default
Sex unknown ("O")
Trimming Frame Color
Display Color Setting
Description
Selects default values of requesting department used for study.
Time Setting
OK
Cancel

Time Setting :
Set time of the unit. Operation after the button is selected is the same operation as performed on the Windows Control Panel.

<Study setting 1>

Set study mode for the first time after the startup :
Select the first study screen mode from which the study is begun after the CR Console starts up.

One-image display **:** Only one image is displayed in the display field.

Six-image display **:** A maximum of six images are displayed simultaneously in the display field.

Set the Existing Exposure List When Entering Patient Information :
Select an action to be taken to the list of exposure menus already selected when receiving new studies.

Store Exposure List **:** A new study can be received while leaving exposure menus already selected for the previous study.

Clear Exposure List **:** A new study can be received clearing off exposure menus already selected for the previous study.

The method at the time pushed "Study Finish" button (There is no unregistration menus.) :
Select an action to be taken to the corresponding study after is selected on the Study Execution Screen. The action set here is applied only when image reading has been completed to all exposure menus. (When there remain in the study exposure menus whose images are unread, the study will be stacked in the "Local WL" with either of the following settings.)

Finish exposure only **:** The study is stacked in the "QA" list as the study to which only exposures have been performed. It cannot be selected when "Automatically distribute images to all attributes whenever an image is read." or "Distribute only print attribute automatically at each reading time." is set for "Auto-distribution Setting" in "Distribution setting" folder.

Finish exposure and QA **:** The study is stacked in the "Queue" list as the study to which exposures and image editing (QA) have been performed.

The method at the time pushed "Study Finish" button (The unregistration menu exists.) :
Select an action to be taken to the corresponding study after is selected on the Study Execution Study. The action set here is applied only when exposure menu(s) without IP registration remain in the study.

The unregistration menu is deleted, and study is finished :
The exposure menu to which IP registration has not been performed is deleted automatically, and the study is finished.

The unregistration menu is not deleted, and study is suspended :
The exposure menu without IP registration is not deleted but suspended, and the study is stacked in "Local WL".

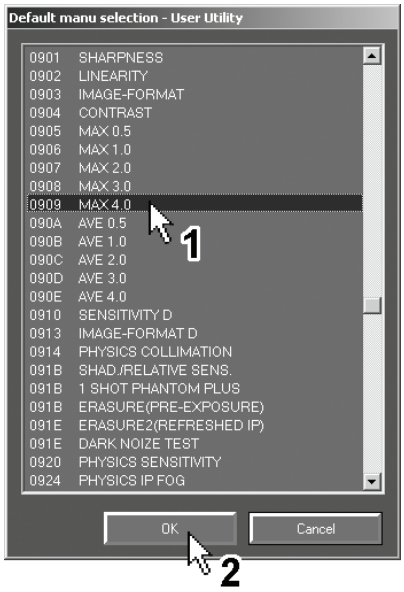
The dialog of the confirmation is indicated :
A confirmation box is displayed to select either of the above two actions.

Default Menu Code :

Select the exposure menu that is set automatically when the image without exposure menu setting is read.

Select “Setup” to display the exposure menu selection box, select the exposure menu to be set, and then select “OK”.

(“Cancel” → Cancels operation.)



Default Requesting Department :

Select the requesting department to be set initially when receiving new studies.

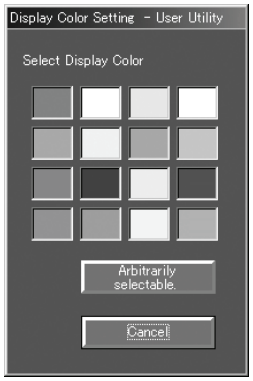
Default Sex :

Select the sex to be set initially when receiving new studies.

Trimming Frame Color :

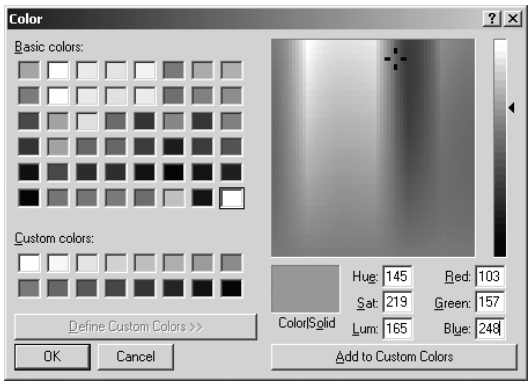
Select “Select Display Color” to display “ Display Color Setting - User Utility” and select a desired color used for the trimming frame.

(“Cancel” → Cancels operation.)

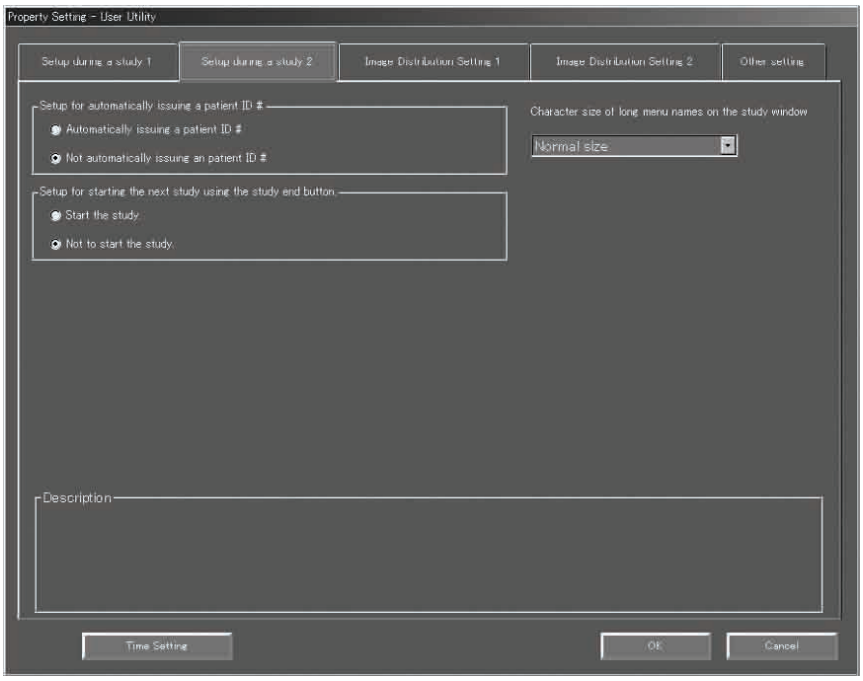


Besides those displayed, an optional color can be selected.
Press the “Arbitrarily selectable” button.

The “Color” window is displayed. After selecting a color, select “OK”.
(“Cancel” → Cancels operation.)



<Study setting 2>


Property Setting - User Utility
Setup during a study 1
Setup during a study 2
Image Distribution Setting 1
Image Distribution Setting 2
Other setting
Setup for automatically issuing a patient ID #
Automatically issuing a patient ID #
Not automatically issuing an patient ID #
Character size of long menu names on the study window
Normal size
Setup for starting the next study using the study end button.
Start the study
Not to start the study
Description
Time Setting
OK
Cancel

Setup for automatically issuing a patient ID# :

Select whether or not to issue a patient ID automatically when a new study is started.

Automatically issuing a patient ID# :

A patient ID is issued automatically when a new study is started.
ID issuance format is determined by the Maintenance Utility setting. If the determined ID issuance format includes “User-specified character string” or “Auto increment”, you can set up those values on the study screen.
Note that when an optional card reader is used, the patient name registered in the card will prevail.

Not automatically issuing a patient ID# :

No patient ID is issued automatically when a new study is started.

Setup for starting the next study using the study end button :

After was selected on the study screen, select processing to be performed for the next study.

Start the study :

The system starts the next study without returning to the Study Reception Screen. At the start of the next study, patient information items except “Technologist” will be canceled. Note, however, that the default setting remains selected for the selection of Sex. Whether or not to retain the exposure menu complies with what is selected in “Set the Existing Exposure List When Entering Patient Information” in <Study setting 1>.

Not to start the study :

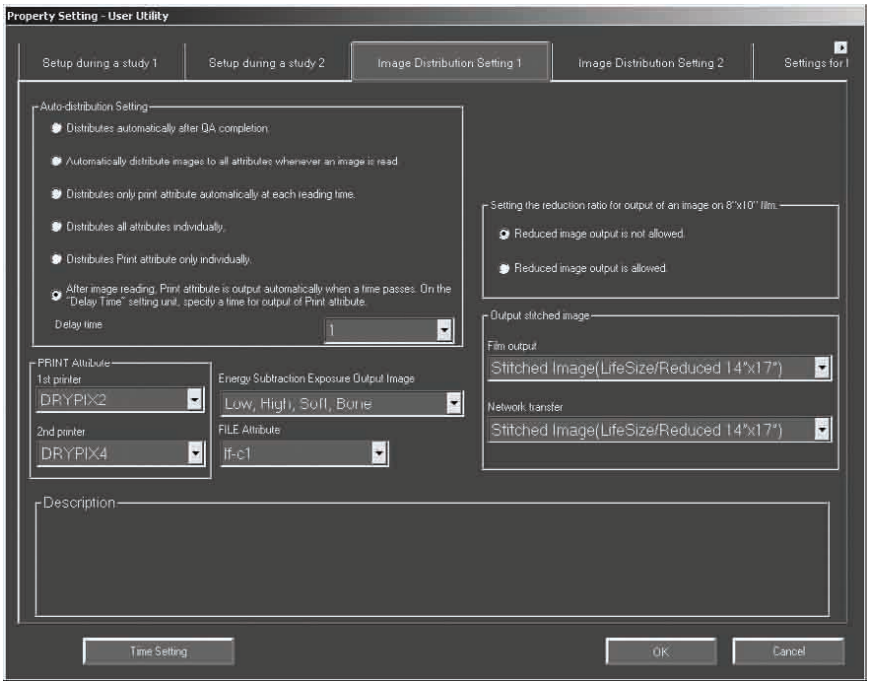
The system returns to the Study Reception Screen without starting the next study.

Menu name font size settings :

Select from among the following the size of a font to be displayed in the exposure menu on the Exposure Menu Selection Screen.
This setting will be enabled only when the menu name is too long to display on the screen.

Normal size : Sets a font size predetermined on the CR Console.
Medium size : Sets a font size smaller than the normal size.
Small size : Sets a font size smaller than the medium size.

<Distribution setting 1>


Property Setting - User Utility
Setup during a study 1
Setup during a study 2
Image Distribution Setting 1
Image Distribution Setting 2
Settings for I
Auto-distribution Setting
Distributes automatically after QA completion.
Automatically distribute images to all attributes whenever an image is read.
Distributes only print attribute automatically at each reading time.
Distributes all attributes individually.
Distributes Print attribute only individually.
After image reading, Print attribute is output automatically when a time passes. On the "Delay Time" setting unit, specify a time for output of Print attribute.
Delay time
1
Setting the reduction ratio for output of an image on 8"x10" film.
Reduced image output is not allowed.
Reduced image output is allowed.
Output stitched image
Film output
Stitched Image(LifeSize/Reduced 14"x17")
Network transfer
Stitched Image(LifeSize/Reduced 14"x17")
PRINT Attribute
1st printer
DRYPIX2
2nd printer
DRYPIX4
Energy Subtraction Exposure Output Image
Low, High, Soft, Bone
FILE Attribute
If-c1
Description
Time Setting
OK
Cancel

Auto-distribution Setting :

Select an auto-distribution action to be taken to study images. When the Scroll View Option is activated, setting for the auto-distribution action is fixed to “After an image has been read, only Print attribute will be output automatically when a specific time elapses. On the “Delay time” setting unit specify a time required for outputting the Print attribute.”, and others are not displayed.

Distributes automatically after QA completion. :

When image editing (QA) is completed after an image has been read, it will be auto-distributed (including film output).

Automatically distribute images to all attributes whenever an image is read. :

When an image is read, it will be auto-distributed (including film output).

Distributes only print attribute automatically at each reading time. :

When an image is read, it will be output on film automatically. In such an instance, other delivery methods excepting film output will be executed after the exposure terminating operation is done on the Study Execution Screen.

Distributes all attributes individually. :

Usually, the same action for “Distributes automatically after QA completion.” is taken. However, because the individual delivery icon is displayed on the Study Execution Screen, you can deliver a read image (including film output) individually in advance. Note that studies whose images have been delivered individually with this setting cannot be stacked in the “QA” list after completing only exposures.

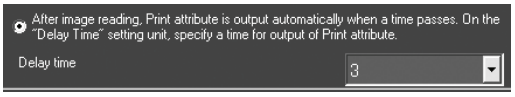
Distributes Print attribute only individually. :

Usually, the same action for “Distributes automatically after QA completion.” is taken. However, because the individual delivery icon is displayed on the Study Execution Screen, you can output a read image individually on film in advance. Note that studies whose images have been delivered with this setting can be stacked in the “QA” list after completing only exposures.

After an image has been read, only Print attribute will be output automatically when a specific time elapses :

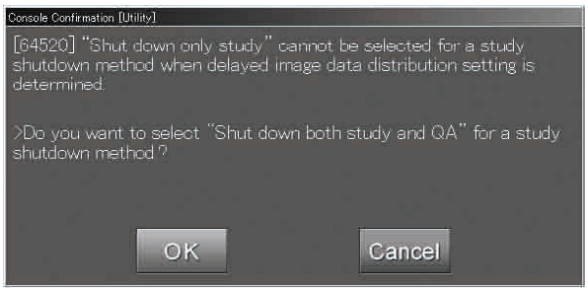
When a certain period of time has passed after an image was read, it will be output automatically on film. In this case, image distribution other than film output is executed after the exposure operation is finished at the Study Execution Screen.

Select a time period (in minutes) ranging from image reading to film output from dropdown list.


After image reading, Print attribute is output automatically when a time passes. On the "Delay Time" setting unit, specify a time for output of Print attribute.
Delay time
3

When setting this operation, “Finish Exposure only” cannot be selected for the study finish method. When either one of the following items is set to “Finish Exposure only”, a confirmation box is displayed. Select “YES”. The study finish method will be changed to “Finish Exposure and QA”.

- Item of “The method at the time pushed “Study Finish” button (There is no unregistration menu.)” in the “Study setting 1” folder.
- Item of “Setup of an automatic study end” in the “Other setting” folder.
- Item of “The method at the time pushed “Study Finish” button on local worklist in the “Other setting” folder.


Console Confirmation [Utility]
[64520] "Shut down only study" cannot be selected for a study shutdown method when delayed image data distribution setting is determined.
>Do you want to select "Shut down both study and QA" for a study shutdown method ?
OK
Cancel

(“Cancel” → Cancels the operation. A setting performed in the “Auto-distribution Setting” item will be restored.)

Output stitched image :

A stitched long-view image to be printed on film or transferred to external devices is determined.

Film output :

Select images to be used for film output from among the following.

Source images for stitching :

Source images used for creation of a stitched long-view image are output.

Source images for stitching and stitched image (reduced to 14”x17” size) :

Source images used for stitching are output, and a stitched long-view image is reduced and output on 14”x17” film.

Stitched image (reduced to 14”x17” size) :

A stitched long-view image is reduced and output on 14”x17” film.

Stitched image (in life size) :

A stitched long-view image is output in its life size.

Stitched image (in life size) and stitched image (reduced to 14”x17” size) :

A stitched long-view image is output in its life size and reduced and output on 14”x17” film.

Network transfer :

Select images to be used for network transfer from among the following.

Source images for stitching :

Source images used for creation of a stitched long-view image are output.

Source images for stitching and stitched image (reduced to 14”x17” size) :

Source images used for stitching are output, and a stitched long-view image is reduced and output on 14”x17” film.

Stitched image (reduced to 14”x17” size) :

A stitched long-view image is reduced and output on 14”x17” film.

Stitched image (in life size) :

A stitched long-view image is output in its life size.

Stitched image (in life size) and stitched image (reduced to 14”x17” size) :

A stitched long-view image is output in its life size and reduced and output on 14”x17” film.

NOTE

A stitched long-view image output in its life size will not reflect results of Automatic Shuttering Processing and Manual Shuttering Processing.

For shared study information, do not use the User Utility function to change the output type that has been set up as the default for the “Output stitched image”.

Setting the reduction ratio for output of an image on 8”x 10” film. :

Select processing for output of reduced images on 8”x10”-sized film.

Reduced image output is not allowed. :

The reduced-image output on 8”x10”-sized film is not performed.

Reduced image output is allowed. :

Outputs reduced images with the one-image format on 8”x10”-sized film.
(Excepting the images to which the 100%-size output for 14”x17” and 14”x14”-sized films is set.)

PRINT Attribute :

Select a study image printer.

If the first printer is not available, the output will be yielded to the second printer.

Printouts will be yielded to a printer where an appropriate film size is available, in accordance with the specified “Image size” and “Film format”.

Note that depending on the printer function, a study film may be output to any other printer.

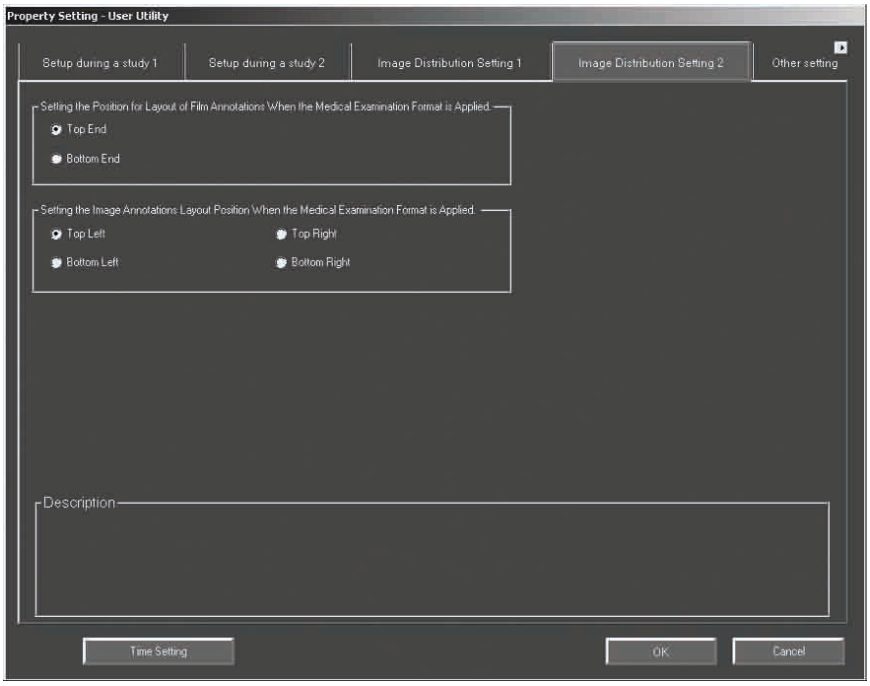
FILE Attribute :

Select a study image filing device.

Energy Subtraction Exposure Output Image :

Select the type of an output image derived from energy subtraction processing.

<Distribution setting 2>



Setting the Position for Layout of Film Annotation When the Medical Examination Format is Applied :

This setting is enabled when the 12on1 format option has been activated.
Select layout of character strings (Top End or Bottom End) that represent film's additional information, when outputting 12 image frames of multiple studies on one film.

Top End : Assigns additional information at top end when applying a medical examination format.

Bottom End : Assigns additional information at bottom end when applying a medical examination format.

Setting the Image Annotation Layout Position When the Medical Examination Format is Applied :

This setting is enabled when the 12on1 format option has been activated.
Select layout of character strings (Top Left, Top Right, Bottom Left or Bottom Right) that represents image's additional information, when outputting 12 image frames of multiple studies on one film.

Top Left : Assigns additional information at top left when applying a medical examination format.

Bottom Left : Assigns additional information at bottom left when applying a medical examination format.

Top Right : Assigns additional information at top right when applying a medical examination format.

Bottom Right : Assigns additional information at bottom right when applying a medical examination format.

Setting the Output of Medical Examination Format Images from the Media :

This setting is enabled when the 12on1 format option and the media storage option have been activated appropriately.

Select whether or not to output 12 image frames of multiple studies derived from the media on one film.

Images are output in the medical examination format :

12 image frames of multiple studies are output on one film.

Images are not output in the medical examination format :

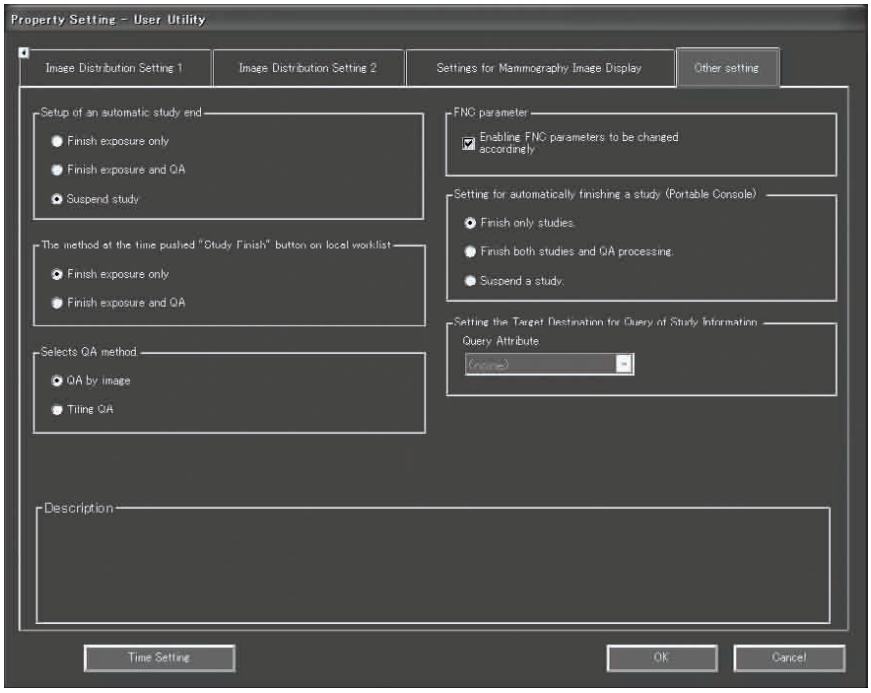
Images of multiple studies are output according to the pre-determined format. If “Images are not output in the medical examination format” is selected, images are output in the ordinary format.

Shown below are the study requirements applicable to image output in the medical examination format (a film format for output of 12 image frames on one film).

- “Study” and “QA” should have been shut down on the CR Console.
- Images to be output should not be long-view, energy subtraction or mis-exposure images.

You can output images in the medical examination format from the “Today” and “All” lists available on the CR Console. You can also output images from the media list if the media option has been activated appropriately.

<Other setting>



Setup of an automatic study end :

Select an action for the study to which image reading has been completed in the background.

Finish exposure only : The study stacked in the “QA” list as the study to which only exposures have been performed.
It cannot be selected when “After an image has been read, only Print attribute will be output automatically when a specific time elapses.” is set for “Auto-distribution Setting” in the “Distribution setting” folder.

Finish exposure and QA : The study is stacked in the “Queue” list as the study to which exposures and image editing “QA” have been performed.

Suspend study : Suspends exposures for the study and stacks the study on “Local WL”. The suspended study requires to complete exposures on the Study Execution Screen or perform the terminating operation at “Local WL” (described below).

The method at the time pushed “Study Finish” button on local worklist :

Select an action to be taken to the corresponding study after is selected on “Local WL”.

Finish exposure only : The study stacked in the “QA” list as the study to which only exposures have been performed.
It cannot be selected when “After an image has been read, only Print attribute will be output automatically when a specific time elapses.” is set for “Auto-distribution Setting” in the “Distribution setting” folder.

Finish exposure and QA : The study is stacked in the “Queue” list as the study to which exposures and image editing “QA” have been performed.

Selecting the QA method:
Select a QA implementation method used when editing images on the QA window.

QA by image : QA processing is implemented on image-by-image basis.
Tiling QA : After displaying all images together for each study, a specific image is then selected for which QA processing is to be implemented.

If you wish to implement QA method not selected for "Select QA method", select on the QA list window and wait for a few seconds while holding it down. A menu will then open, where you can select "QA by image" or "Tiling QA".

FNC Parameter :
When the FNC processing option has been activated, you can select on the Image Edit (QA) screen ON (Enabled) or OFF (Disabled) status of FNC processing. To enable FNC parameter change on the Image Edit (QA) screen, select a check box to mark it accordingly.

Setting the Target Destination for Query of Study Information :
Select a storage device where study information is to be queried.

Setting for automatically finishing a study (Portable Console) :
Select how to finish a study when all images of that study implemented on the Portable Console have been received.

Finish only studies : Only studies are finished. Studies are stacked on the "QA" list.
Finish both studies and QA processing :
Both studies and QA processing are finished. Studies are stacked on the "Queue" list.
Suspend a study : Studies are suspended and then finished. Studies are stacked on the "Local WL".

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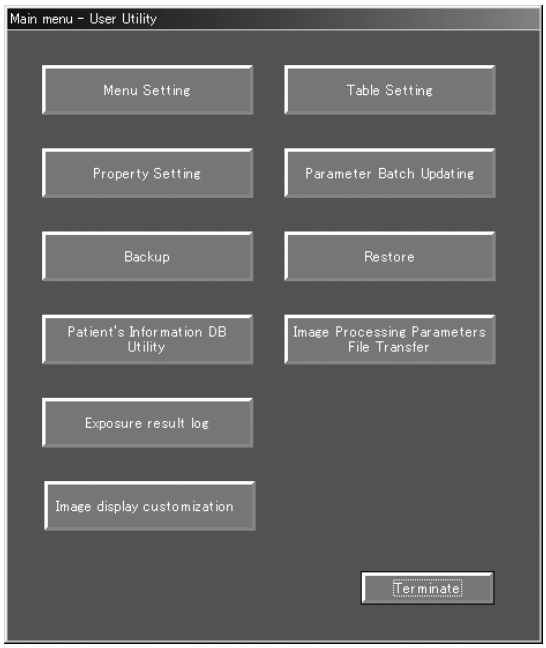
Chapter 5

PARAMETER BATCH UPDATING

Updates all exposure parameters for all exposure menus at a time.
To make use of this function, the User Utility must be enabled by authority of super user.
General users are not allowed to use this function.

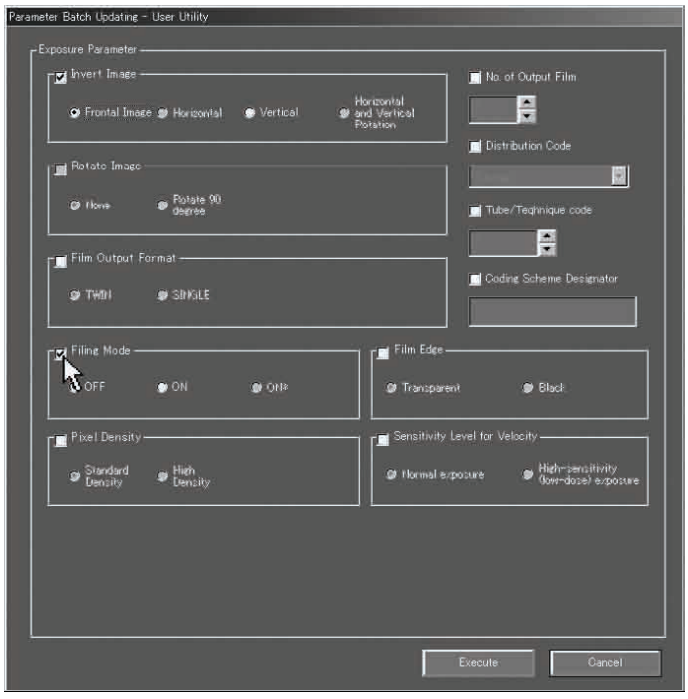
(1) Selecting the menu

Select “Parameter Batch Updating”.



(2) Selecting the parameters

The “Parameter Batch Updating - User Utility” window is displayed.
Select the check boxes for exposure parameters to be updated and put check marks to them.



(3) Executing the setting

Select “Execute” after putting check marks to exposure parameters.
(“Cancel” → cancels operation.)

Invert Image :
Select an invert display image. Normally “Frontal Image” and “Vertical” can be selected. If selecting “Horizontal” or “Horizontal and Vertical Rotation”, the maintenance setting is required.

Rotate Image :
Rotation display of the image. This item is normally fixed to “None”. If making “Rotate 90 degrees counterclockwise” selectable, the maintenance setting is required.

Film Output Format :
Select a film output format.

Filing Mode :
Select a filing mode for file images to the filing unit (ODF, etc.). Normally “OFF” (do not record) and “ON” (record) can be selected. “ON*” cannot be selected. (If a filing unit is not connected, this parameter is not effective.)

Pixel Density :
Select pixel density of the image.

Film Edge :
Select a color for the film edge (image frame).

No. of Output Film :
Set the number of films to be outputted. This item can be changed either by selecting the arrow button or by entering a value through keyboard.
The number of films that can be set varies depending on the setting at the time of installation. If the filing mode is set to “OFF”, do not set this item to “ 0 ”.

Distribution Code :
Select a distribution code (a code number to specify the transfer destination) of the image from the dropdown list.

Coding Scheme Designator :
Enter the name of coding scheme designator (a maximum of 16 characters, * and @ cannot be used).

Tube/Technique Code :
It is used when an X-ray control unit is connected.

Sensitivity Level for VELOCITY:
Select a desired sensitivity level according to irradiation dose suited for an intended exposure.
This setting is valid for exposures using the Image Reader FCR VELOCITY U, FCR VELOCITY T or FUJIFILM Unity SpeedSuite.

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Chapter 6

BACKUP/RESTORE

6.1 Backup

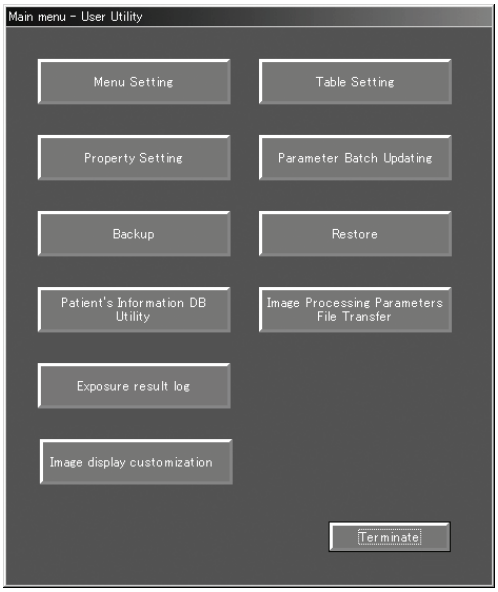
This section describes how to make backup of information.
Perform backup periodically to prevent possible errors that may occur on the database.
The backed up information is used for restoring the database as described in [6.2 Restore].
Before operation, have virgin 3.5-inch 2HD floppy disks ready for use, if the backup is to be made on them. (Since this unit is provided with the formatting function, unformatted floppy disks can be used.)

⚠ CAUTION

- Use virgin floppy disks for making backup. FujiFilm is not liable for any damages that may result in the recorded data as a result of using recorded floppy disks for backup.

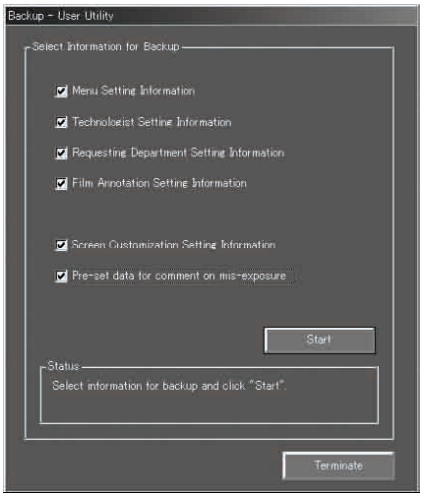
(1) Selecting the menu

Select “Backup”.

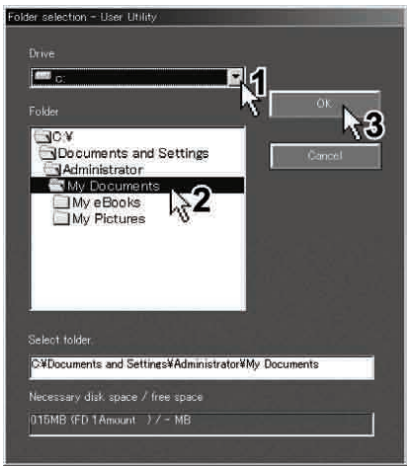


(2) Selecting backup information

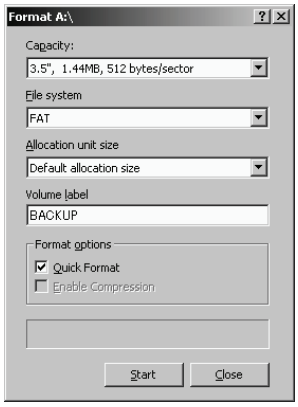
The “Backup - User Utility” window is displayed.
Select the information to be backed up, and then select “Start”.



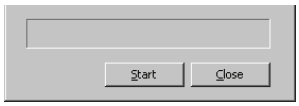
A backup folder selection box is displayed.
When the backup is made using floppy disks, start the operation by inserting a floppy disk into the floppy disk drive.
Select the drive and the folder, and then “OK”. The backup will thus be executed.
(“Cancel” → Cancels operation.)



If the backup is made by using floppy disks, a dialog box for formatting is displayed.
The formatting operation is the same as performed on the Windows Explorer. Select “Start”, and then perform formatting following the message displayed in the screen.



After the formatting of floppy disk is completed, select “Close” to execute backup.



If a confirmation box is displayed prompting you to insert a second floppy disk, repeat the operation from inserting floppy disk to formatting.

(3) Completing backup

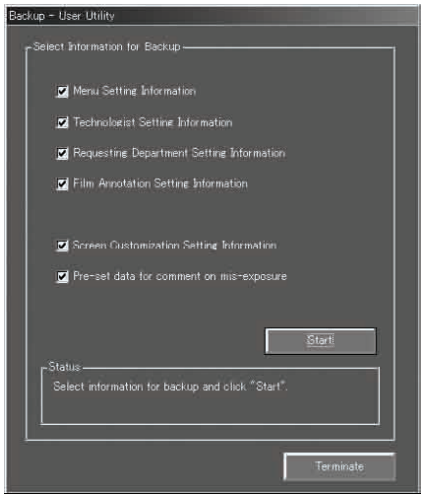
When the backup is completed, a confirmation box is displayed.
When the backup was made by using floppy disks, eject the floppy disk from drive. And then select “OK”.

NOTE

- After the backup is completed, be sure to eject the floppy disk from the floppy disk drive. Leaving floppy disk inserted in the floppy disk drive may cause errors. In order to catalog backup dates and an order (when multiple disks are used) of backup, record this information on the floppy disk label.

(4) Terminating operation

Select “Terminate”.

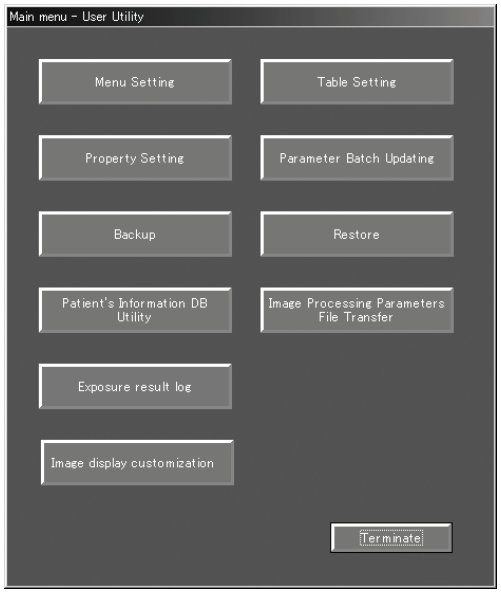


6.2 Restore

Restores information as follows.
Use this function for restoring the data in case that troubles occur on the database. After this operation, the database is restored to the state at the time when backup is executed. (The updated contents after backup is not valid.)
Note that the restore operation cannot be executed if a current software version is different from the one at the time of backup execution.

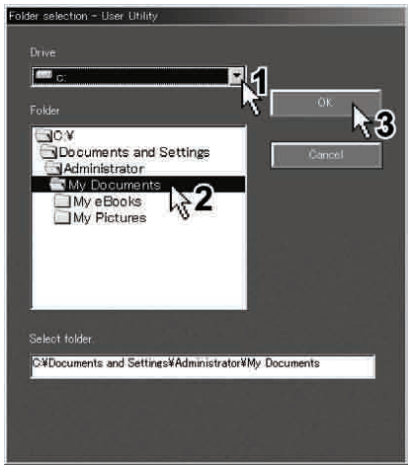
(1) Selecting the menu

Select “Restore”.

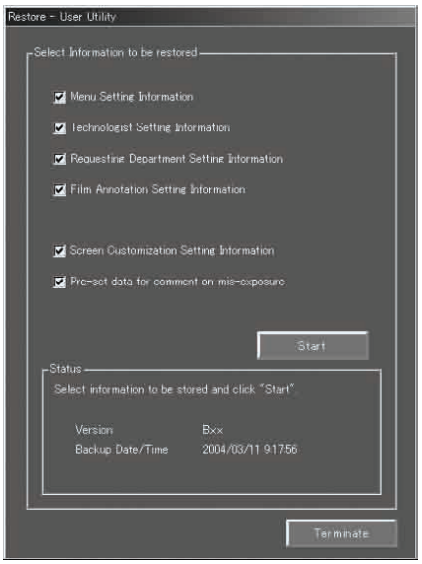


(2) Selecting restore information

A restore folder selection box is displayed.
When restore processing is executed by using floppy disks, insert the latest backed up floppy disk (the first piece if there are multiple floppy disks) to the floppy disk drive. Select the drive and the folder, and then “OK”. The restore processing is thus executed.
(“Cancel” → Cancels operation.)



The “Restore - User Utility” window is displayed.
Select the information to be restored, and then select “Start”. Restore is executed.



If a confirmation box is displayed prompting you to insert a second floppy disk, repeat inserting floppy disks.

(3) Completing restore

When the restore is completed, a confirmation box is displayed.
When the restore was executed by using floppy disks, eject the floppy disk from the floppy disk drive. And then select “OK”.

NOTE

- After restore is completed, be sure to eject the floppy disk from the floppy disk drive. Leaving floppy disk inserted in the floppy disk drive may cause errors.

(4) Terminating operation

Select “Terminate”.

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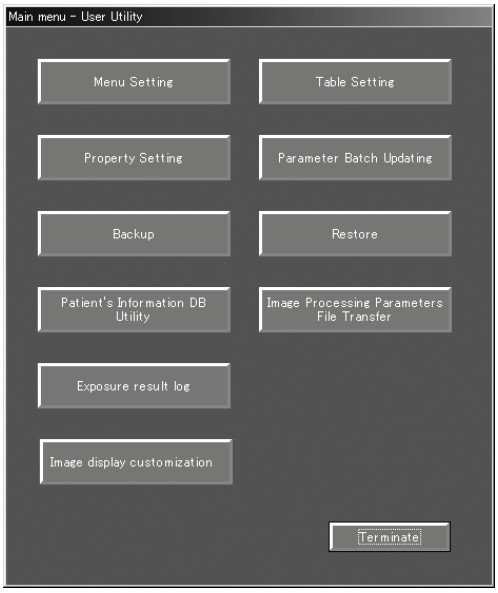
Chapter 7

PATIENT'S INFORMATION DB UTILITY

This Chapter describes how to perform the maintenance/backup/restore operations of the patient's information database.

Select "Patient's Information DB Utility".



The "Patient's Information DB Utility - User Utility" window is displayed.
Perform operations for each menu, and then select "OK".

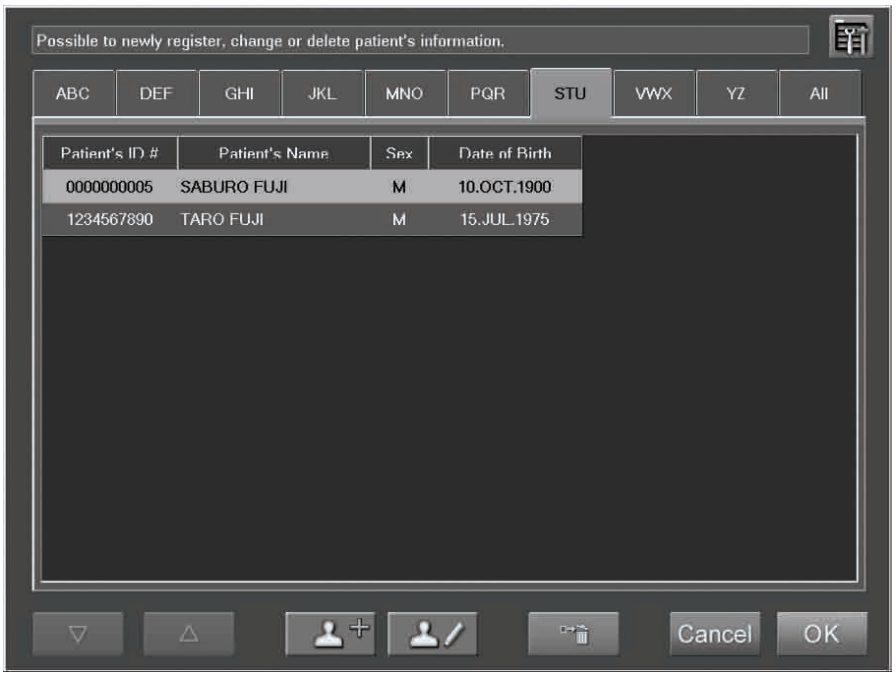
Operations are described by the menu hereafter.

7.1 Patient's Information Maintenance

Performs register/edit/delete/list customize operations for the patient's information.

Select "Patient Information Maintenance".

The patient's information list box is displayed.
Perform the following operations described below, and then select "OK".
("Cancel" → Cancels operation.)



: Registers patient's information to the database.
For details, see [7.1.1 Registering Patient's Information].

: Edits patient's information.
For details, see [7.1.2 Editing Patient's Information].

: Deletes patient's information from the database.
For details, see [7.1.3 Deleting Patient's Information].

: Customizes a list of patient's information.
For details, see [7.1.4 Customizing the Patient's Information List].

: Scrolls patient's information.

7.1.1 Registering Patient's Information

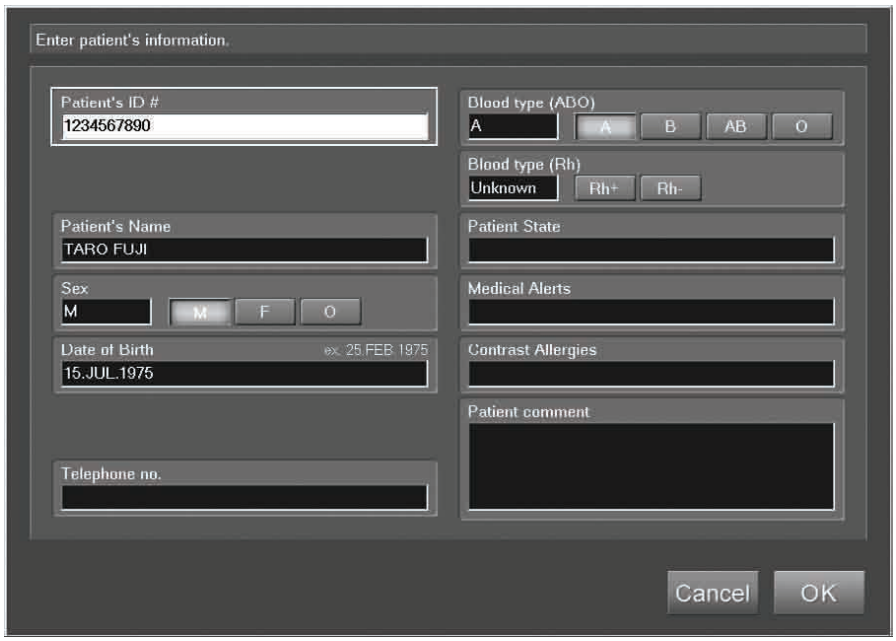
Registers patient's information to the database.

(1) Selecting the processing

Select .

(2) Inputting patient's information → Completing registration

The patient's information input box is displayed.
Input patient's information and then select "OK".
("Cancel" → Cancels operation.)



Patient's ID# : Input a patient's ID number. (A maximum number of digits that can be input varies depending on the maintenance setting.)

Patient's Name : Input a patient's name. (A maximum of 64 characters)

Sex : Select M / F / O to input a patient's sex (M: Male, F: Female and O: Other).

Date of Birth : Input a patient's date of birth. Use the example input format of date that is displayed under the field.

Telephone no. : Input a patient's phone number. (A maximum of 16 characters)

Blood type (ABO) : Select A / B / O / AB to input a patient's blood type in ABO system.

Blood type (Rh) : Select Rh+ / Rh− to input a patient's blood type in Rh system.

Physical disorder information :
Input patient's information on physical disability condition.
(A maximum of 64 characters)

Infection information : Input patent's information on infectious disease.
(A maximum of 64 characters)

Contraindication information :
Input patient's information on contraindication.
(A maximum of 64 characters)

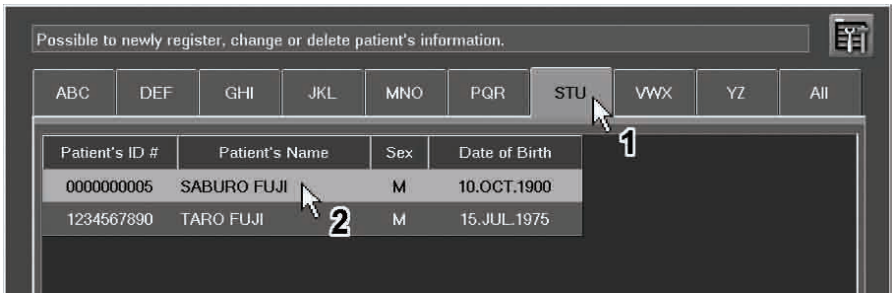
Patient comments : Input comments on the patient. (A maximum of 1024 characters)

7.1.2 Editing Patient's Information

Edits patient's information.

(1) Selecting patient's information

Display patient's information to be edited by selecting the tab of group folder and then select the patient's information.

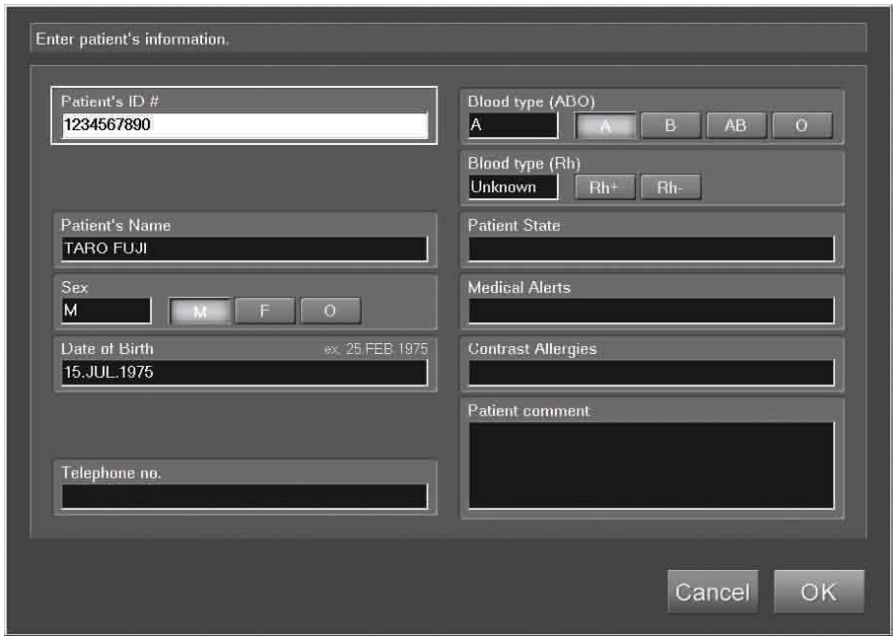


(2) Selecting the processing

Select .

(3) Inputting patient's information → Completing edit

The patient's information input box is displayed.
Input patient's information and then select "OK".
("Cancel" → Cancels operation.)



Patient's ID# : Input a patient's ID number. (A maximum number of digits that can be input varies depending on the maintenance setting.)

Patient's Name : Input a patient's name. (A maximum of 64 characters)

Sex : Select M / F / O to input a patient's sex (M: Male, F: Female and O: Other).

Date of Birth : Input a patient's date of birth. Use the example input format of date that is displayed under the field.

Telephone no. : Input a patient's phone number. (A maximum of 16 characters)

Blood type (ABO) : Select A / B / O / AB to input a patient's blood type in ABO system.

Blood type (Rh) : Select Rh+ / Rh− to input a patient's blood type in Rh system.

Physical disorder information :
Input patient's information on physical disability condition.
(A maximum of 64 characters)

Infection information : Input patent's information on infectious disease.
(A maximum of 64 characters)

Contraindication information :
Input patient's information on contraindication.
(A maximum of 64 characters)

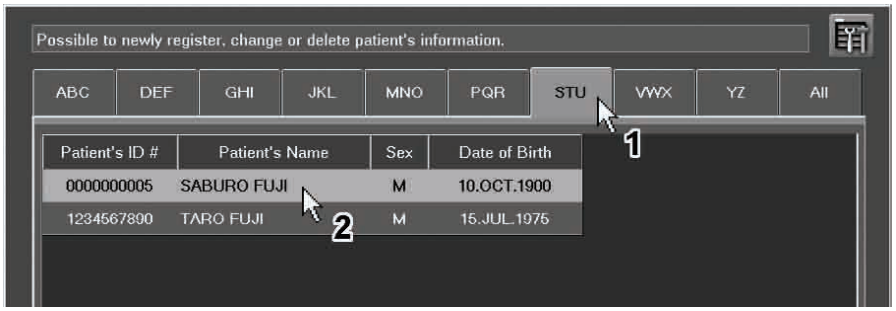
Patient comments : Input comments on the patient. (A maximum of 1024 characters)

7.1.3 Deleting Patient's Information

Deletes patient's information from the database.

(1) Selecting patient's information

Display patient's information to be deleted by selecting the tab of group folder and then select the patient's information.



(2) Selecting the processing → Completing deletion

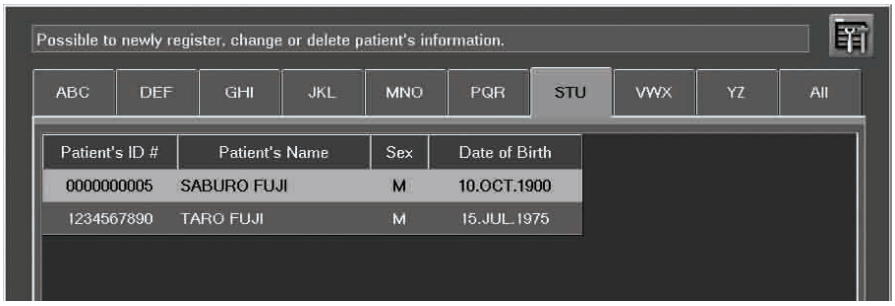
Select .

7.1.4 Customizing the Patient's Information List

Customizes the patient's information list (a setting for the items to be displayed).

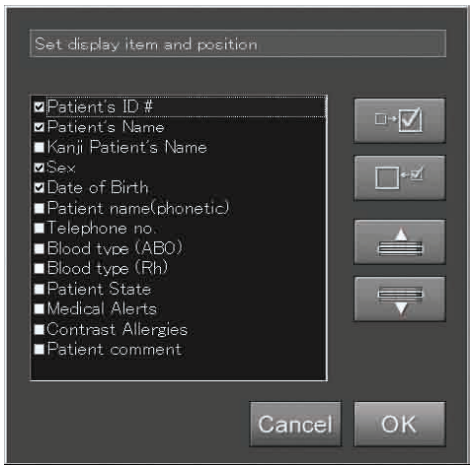
(1) Selecting the processing

Select .



(2) Executing the setting

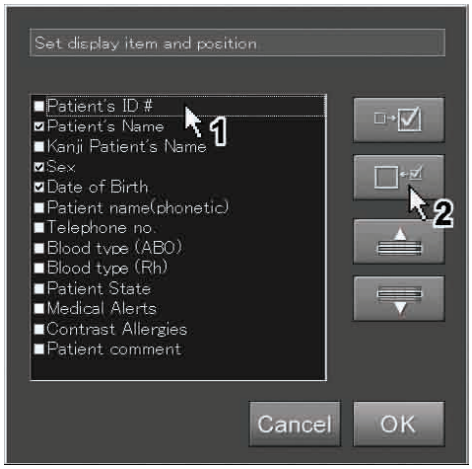
A dialog box is displayed.
Perform the following operations described below, and then select "OK".
("Cancel" → Cancels operation.)



Display/non-display :

Alternately switches display/non-display of an information item.
Select an information item and then select (display) or (non-display).

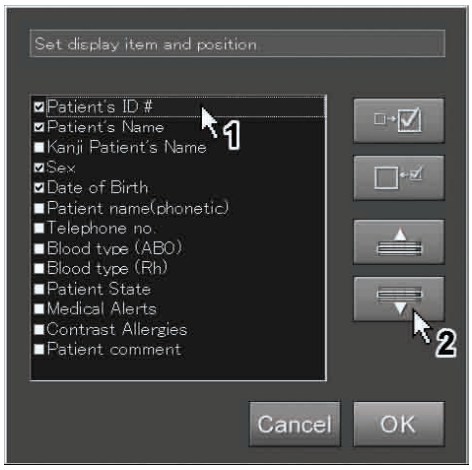
<Example: Sets “Patient’s ID #” to be a non-display item.>



Display order :

Sets a display order of information items.
Select an information item and then select (left direction of the list) or (right direction of the list).

<Example: Moves “Patient’s ID #” to the right direction of the list.>



7.2 Backup

Makes a backup of patient's information as follows.
Perform backup periodically to prevent possible errors that may occur on the database. The backed up information is used for restoring the database described in [7.3 Restore].

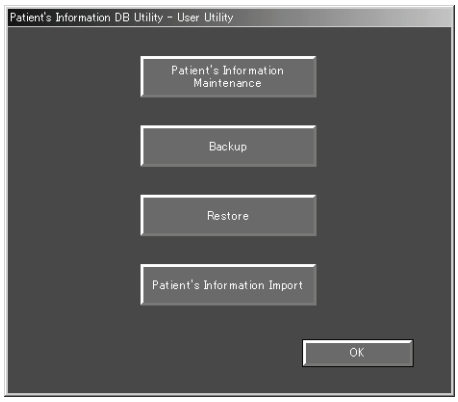
Before operation, have virgin 3.5-inch 2HD floppy disks ready for use, if the backup is to be made on them. (Since this unit is provided with the formatting function, unformatted floppy disks can be used.)

⚠ CAUTION

- Use virgin floppy disks for making backup. FujiFilm is not liable for any damages that may result in the recorded data as a result of using recorded floppy disks for backup.

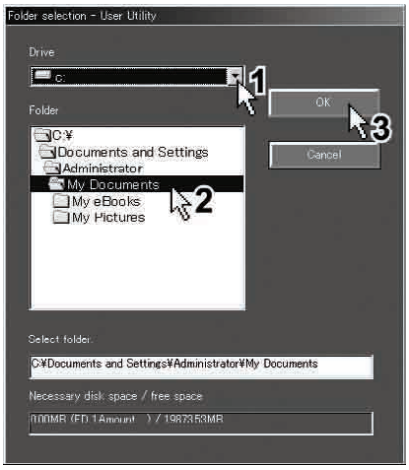
(1) Selecting the menu

Select "Backup".

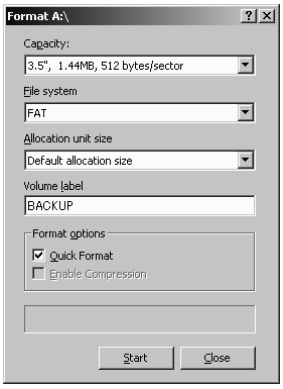


(2) Executing backup

A backup folder selection box is displayed.
When the backup is made using floppy disks, start the operation by inserting a floppy disk into the floppy disk drive. Select the drive and the folder, and then “OK”. The backup will thus be executed.
(“Cancel” → Cancels operation.)



If the backup is made by using floppy disks, a dialog box for formatting is displayed.
The formatting operation is the same as performed on the Windows Explorer. Select “Start”, and then perform formatting following the message displayed on the screen.



After the formatting of floppy disk is completed, select “Close” to execute backup.

If a confirmation box is displayed prompting you to insert a second floppy disk, repeat the operation from inserting floppy disk to formatting.

(3) Completing backup

When the backup is completed, a confirmation box is displayed.
When the backup was made by using floppy disks, eject the floppy disk from the drive. And then select "OK".

NOTE

- After the backup is completed, the floppy disk must be ejected from the drive. Leaving it inserted in the drive may cause errors. In order to catalog backup dates and an order (when multiple disks are used) of backup, record this information on the floppy disk label.

7.3 Restore

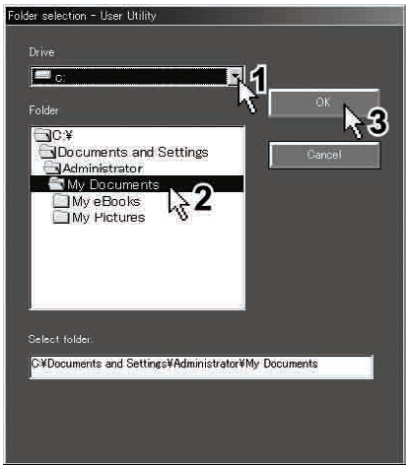
Restores patient's information as follows.
Use this function for restoring the data in case that troubles occur on the database. After this operation, the database is restored to the state at the time when backup is executed. (The updated contents after backup is not valid.)

(1) Selecting the menu

Select "Restore".

(2) Executing restore

A restore folder selection box is displayed.
When restore processing is performed by floppy disks, insert the latest backed up floppy disk (the first piece when there are multiple floppy disks) into the floppy disk drive. Select the drive and the folder, and then "OK". The restore processing is thus executed.
("Cancel" → Cancels operation.)



If a confirmation box is displayed prompting you to insert a second floppy disk, repeat inserting floppy disks.

(3) Completing restore

When the restore processing is completed, a confirmation box is displayed.
When the restore processing was performed by floppy disks, eject the floppy disk from the drive, and then select "OK".

NOTE

- After the restore processing is completed, the floppy disk must be ejected. Leaving it inserted in the drive may cause errors.

7.4 Patient's Information Import

Imports patient's information from external units, and registers them to the database at a time.
The methods/conditions/restrictions described below are applied to the Patient's Information Import.
Prepare an import file based on this information prior to the operation.

<Methods of Patient Information Import>

- When an institution is equipped with patient reception terminal units and has already built the patient information database, the patient information exported from the database is edited and processed using a general application software, and the files then obtained with this operation will be imported to the CR Console.
- The files created by the patient information backup function installed in the ID-T741 are imported to the CR Console.

<Conditions for Import Files/Patient's Information>

Media used : 3.5 inch 2HD 1.44MB floppy disk

File format : CSV file (TAB delimited)

Record format : 1 record per 1 patient

Record separation code : CR (0x0D) + LF (0x0A)

File termination code : EOF (0x1A)

File name : Practice.csv (fixed)

Patient's ID# : The maximum number of digits that can be input varies depending on the maintenance setting. (excluding * and @)

Patient's Name : A maximum of 64 characters (excluding *, =, and @)

Sex : Either one of M/F/O (including lower case letter) is fixed.

Date of Birth : yyyymmdd (DICOM format), 8 characters are fixed.

Telephone no. : A maximum of 64 characters
(1-byte or 2-byte character excluding * and @)

Blood type (ABO) : Either one of 0 to 4 (1-byte character) is fixed.
0: Type A / 1: Type B / 2: Type AB / 3: Type O / 4: Unknown

Blood type (Rh) : Either one of 0 to 2 (1-byte character) is fixed.
0: Rh+ / 1: Rh- / 2: Unknown

Physical disorder information :
A maximum of 64 characters (1-byte or 2-byte character)

Infection information : A maximum of 64 characters (1-byte or 2-byte character)

Contraindication information :
A maximum of 64 characters (1-byte or 2-byte character)

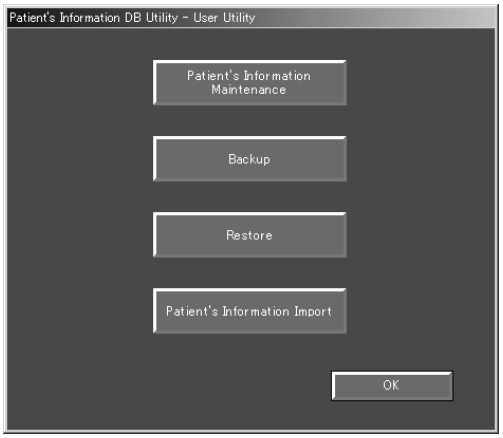
Patient comment : A maximum of 1024 characters (1-byte or 2-byte character)

<Import restrictions>

- It is essential to input the sex. For information other then sex, if either of Patient's ID# or Patient's Name is input, the other can be omitted (no input required), and all spaces will be handled as empty information.
- A floppy disk drive to be used for importing must be the A drive.
- There are the items for register date and last retrieval date in the patient information database. An import execution date will be registered to them.
- When patient information exceeds the maximum registration number of patient information database (default: 5,000 pieces, maximum: 300,000 pieces), following import operations will be cancelled.
- When importing information completely equals to the registered information in the patient information database, it will not be registered.
- When a string number of each import information exceeds the maximum string number, the information is registered without excess characters.
- When a string of sex includes lower case letter, it is registered after changing lower case letter to upper case letter.
- When a string of patient's ID#/name of import information includes a 2-byte character, it will be registered after changing the 2-byte character to a 1-byte character. (If it is not changeable, it will not be registered.)
- When import information on blood types of ABO/Rh is a 2-byte character, it is registered after changing the 2-byte character to a 1-byte character. (If it is not changeable, it will be handled as empty column.)

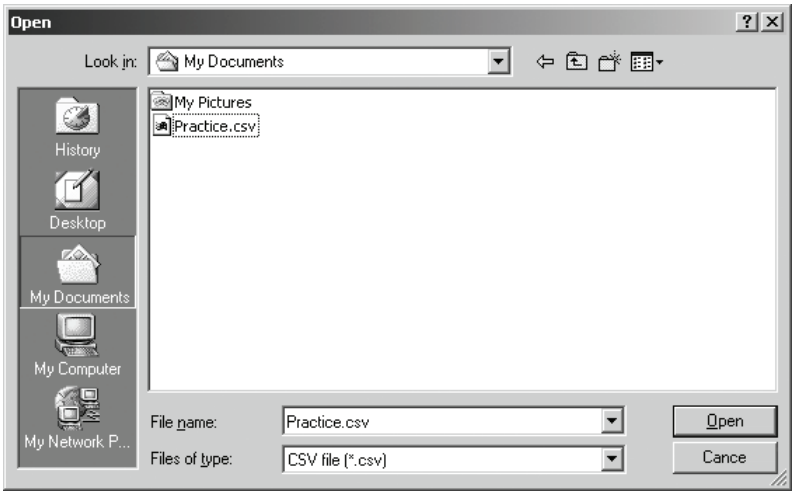
(1) Select the menu

Select “Patient’s information Import”.



(2) Executing import

A file selection dialog is displayed.
Select a file to be imported and then select “Open”. File import will be executed.
For file import from a floppy disk, specify Drive A on the file selection dialog.
(“Cancel” → Cancels operation.)



When the operation cannot be continued because of troubles that occur while importing the file, the message indicating so will be displayed. Confirm causes of troubles, and then restart the operation.
When file importing is completed, the “Patient Information DB Utility - User Utility” window will be restored.

NOTE

- After file importing is completed, the floppy disk must be ejected. Leaving it inserted in the drive may cause errors.

– How to create the patient information files for import –

The following indicates how to create the patient information files for import by using general-editor-application software as an example. When creating the files, refer the conditions and restrictions for import described in [7.4 Patient's Information Import].

* The product names indicated in this manual are registered trademarks or trademarks of maker/sales companies in general.

⚠ CAUTION

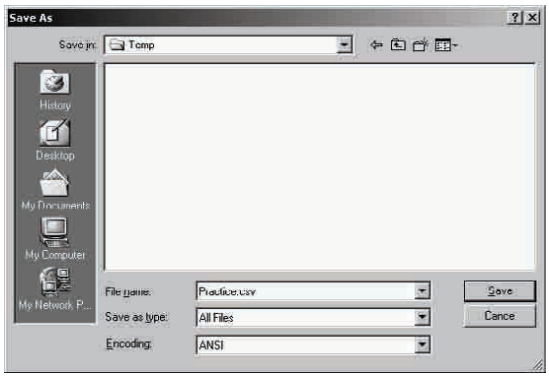
The information indicated in this section is just for user's reference. It does not explain, supplement, and/or guarantee any operations (actions) of the application software supplied by manufactures other than FujiFilm. When performing any operations, refer carefully to the documentation such as the operation manual or help of the application software to be used. FujiFilm shall not be liable for any events resulting from the information of this section.

Creating patient information files using Windows Notepad :

Indicates how to create patient information files using Windows Notepad for example.

1) Start up "Windows Notepad".
2) Input patient information using TAB.
   Patient ID# [Tab] Patient Name [Tab] [Tab] Sex [Tab] Date of Birth [Tab] [Tab] Telephone no [Tab] Blood type(ABO) [Tab] Blood type (Rh) [Tab] Physical disorder information [Tab] Infection information [Tab] Contraindication information [Tab] Patient comment [Enter]
   - As you can see in example in 2) above, there are some places where the two tabs are entered repeatedly. In such places, be sure to enter as is, otherwise, the patient information items on the line will not be registered appropriately.

3) Select "File" → "Save As" menu after completing patient information input.
4) The "Save As" dialog box is displayed.
   Select "All Files" at "Save as type", input "Practice.csv" at "File name", and then select "Save".

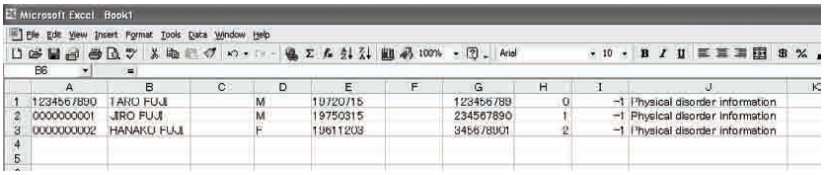


Creating patient information files using Microsoft Excel :

Indicates how to create patient information files using Microsoft Excel for example.

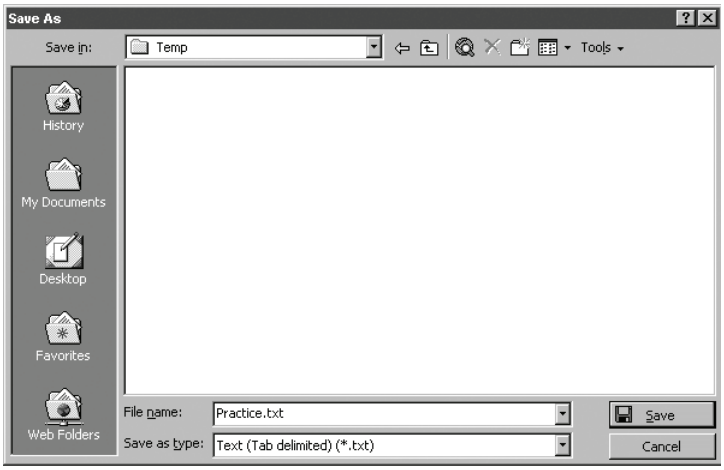
1) Start up “Microsoft Excel”.

2) Input patient information in each column.
   Column A:Patient ID# / ColumnB: Patient Name / ColumnC: (Brank) / ColumnD: Sex / ColumnE: Date of Birth / ColumnF: (Brank)/ ColumnG:Telephone no / ColumnH:Blood type(ABO) / ColumnI: Blood type (Rh) / ColumnJ: Physical disorder information / ColumnK: Infection information / ColumnL: Contraindication information / ColumnM:Patient comment

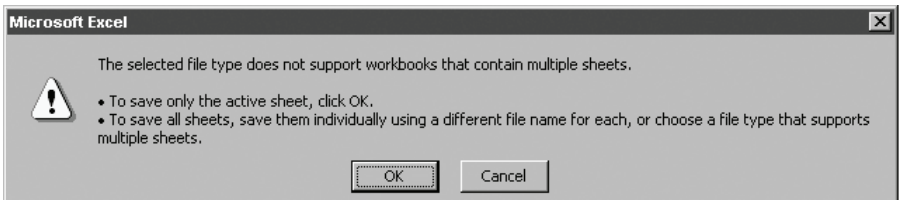

Microsoft Excel - Book1
File Edit View Insert Format Tools Data Window Help
B6
A B C D E F G H I J K
1 1234567890 TARO FUJI M 19720715 123456789 0 -1 Physical disorder information
2 0000000001 JIRO FUJI M 19750315 234567890 1 -1 Physical disorder information
3 0000000002 HANAKO FUJI F 19611203 3456789O1 2 -1 Physical disorder information
4
5

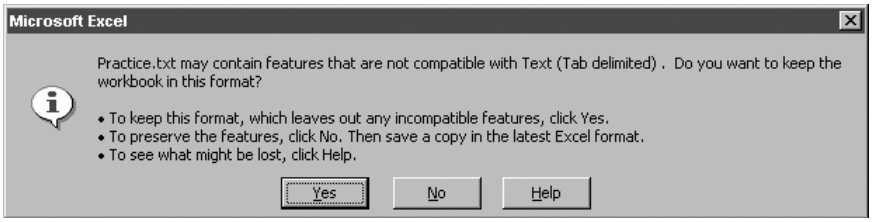
3) Select “File” → “Save As” menu after completing patient information input.

4) The “Save As” dialog box is displayed.

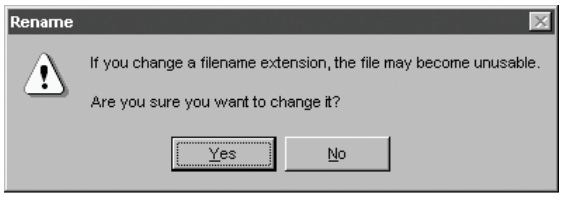


Select “Text (tab separation)” at “Save as type”, and select “Save”.
When the following messages are displayed, select “OK” and “YES”, respectively.


Microsoft Excel
The selected file type does not support workbooks that contain multiple sheets.
• To save only the active sheet, click OK.
• To save all sheets, save them individually using a different file name for each, or choose a file type that supports multiple sheets.
OK
Cancel


Microsoft Excel
Practice.txt may contain features that are not compatible with Text (Tab delimited) . Do you want to keep the workbook in this format?
• To keep this format, which leaves out any incompatible features, click Yes.
• To preserve the features, click No. Then save a copy in the latest Excel format.
• To see what might be lost, click Help.
Yes
No
Help

5) Change the saved filename to "Practice.csv".
When changing the filename, a message like that shown below appears. Select "Yes".



NOTE

- If the file extension is set to be hidden, a filename cannot be displayed correctly. In such an instance, select and cancel “Hide extensions for know file types” from the Windows “Folder Options - View” menu to change the filename. (You can also change the filename using the "Command Prompt" function.)

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Chapter 8

IMAGE PROCESSING PARAMETERS FILE TRANSFER

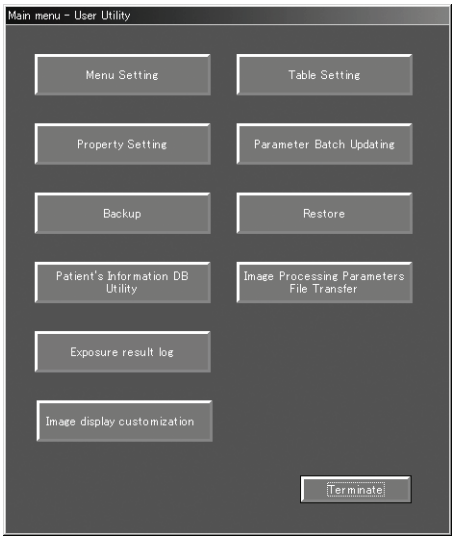
Transfers image processing parameter files recorded in the CR Console to Image Readers.

CAUTION

- Executing this operation updates image processing parameter file previously set at the destination Image Reader. Back up the image processing parameters at the destination Image Reader before executing this operation since the update of the image parameters cannot be cancelled.

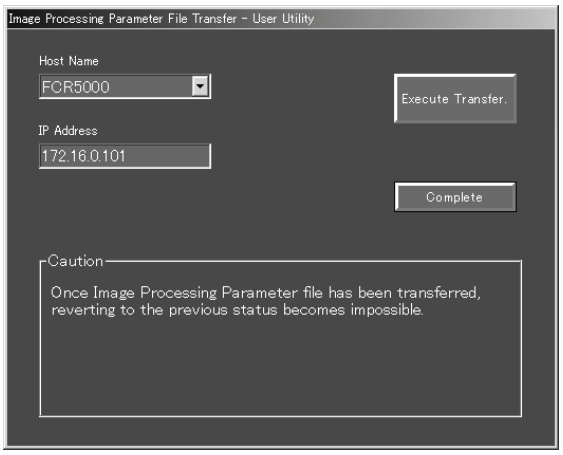
(1) Selecting the menu

Select “Image Processing Parameters File Transfer”.



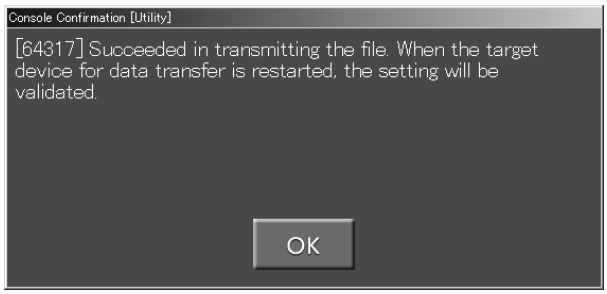
(2) Executing transfer

The “Image Processing Parameters File Transfer – User Utility” window is displayed.
Select one of the destination Image Readers at “Host Name”, and then select “Execute Transfer”.
The IP address of the selected destination Image Reader will be displayed at “IP Address”.



(3) Completing transfer

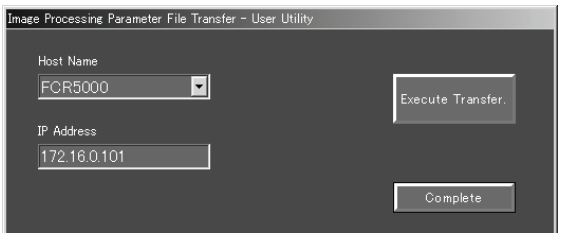
When the file is transferred successfully, a confirmation box will be displayed.
Select “OK”.


Console Confirmation [Utility]
[64317] Succeeded in transmitting the file. When the target device for data transfer is restarted, the setting will be validated.
OK

If the destination Image Reader is restarted after this operation, the setting of the transferred image processing parameters become effective.

(4) Terminating operation

Click “Complete”.



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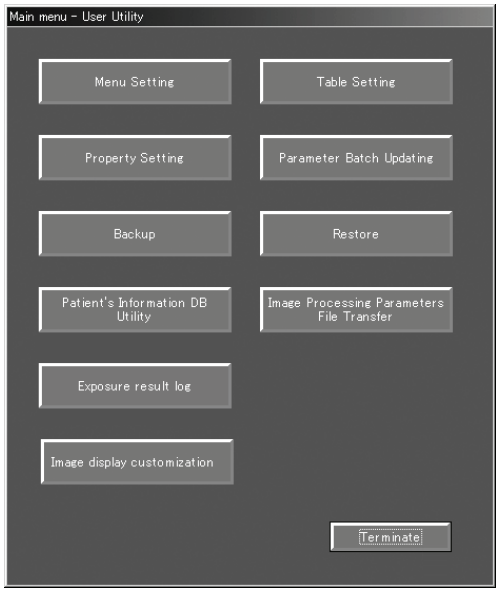
Chapter 9

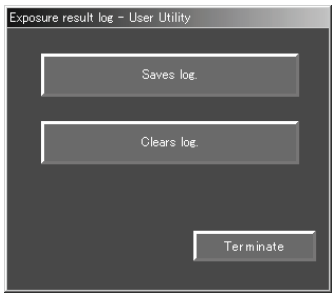
EXPOSURE RESULT LOG

This Chapter explains how to clear/save the exposure result and failed image logs for completed studies.

Note, however, that utilizing this function requires preset by the service engineer.
Select “Exposure Result Log”.



The “Exposure Result Log - User Utility” window is displayed.
Perform the operation for each menu, and then select “Terminate”.



Necessary operations are described hereafter by the menu.

9.1 Saving Logs

Exports the exposure result log and the rejected film log of completed studies and then saves those logs onto floppy disks.
For log saving onto floppy disks, have virgin 3.5-inch 2HD floppy disks ready for use. (Since this unit is provided with the formatting function, unformatted floppy disks can be used.)

⚠ CAUTION

- Use virgin floppy disks for saving. FujiFilm is not liable for any damages that may result in the recorded data as a result of using recorded floppy disks for saving logs.

<About Saving Files>

• Exposure result log (To use this function, service settings are required.)

File format : Text file (TAB delimited)

File name : Exposure (fixed) + host name (a maximum of ten characters) + date (yymmdd) + serial number (four digits) + .txt (extension)

Saved items: Refer to the following items. (To change saved items, consult your service engineer.)

1. SOP Instance UID
2. Study Instance UID
3. Accession Number
4. Patient ID
5. Patient Name
6. Birth Date
7. Sex
8. Study Date
9. Study Time
10. MPM Code
11. Body Part Examined
12. Menu Name
13. S-Value
14. L-Value
15. IP Number
16. FCR Image ID
17. Technologist Name
18. Requesting Department
19. Size-code (the value for extended reading size)
20. Film-mark 1
21. Film-mark 2
    A value to be applied for this item differs depending on the Maintenance Utility setting.
    X-ray data may be applied though the X-ray control function (option) is not installed since it is a default value for exposure menus.
22. Status (with failed exposures/without them → MIS/NORMAL)
23. Technologist Code
24. IP Number

• Failed image logs (To use this function, service settings are required.)

File format : Text file (TAB delimited)

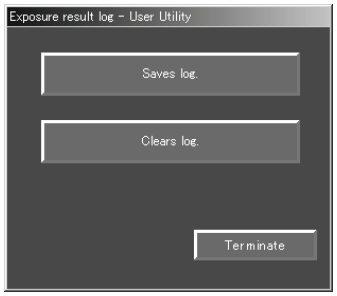
File name : Reject (fixed) + host name (a maximum of ten characters) + date (yymmdd) + serial number (four digits) + .txt (extension)

Saved items: Refer to the following items. (To change saved items, consult your service engineer.)

1. SOP Instance UID
2. Study Instance UID
3. Accession Number
4. Patient ID
5. Patient Name
6. Birth Date
7. Sex
8. Study Date
9. Study Time
10. MPM Code
11. Body Part Examined
12. Menu Name
13. S-Value
14. L-Value
15. IP Number
16. FCR Image ID
17. Technologist Name
18. Requesting Department
19. Size-code (the value for extended reading size)
20. Film-mark 1
21. Film-mark 2
    A value to be applied for this item differs depending on the maintenance setting.
    X-ray data may be applied though the X-ray control function (option) is not installed since it is a default value for exposure menus.
22. Status (whether there are failed images or not → MIS/NORMAL)
23. Technologist Code
24. IP Number
25. Reject Category (failed image category)
26. Reject Comment (failed image comments)

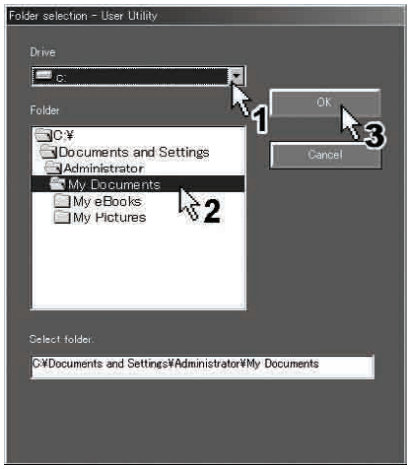
(1) Selecting the menu

Select “Saves log”.

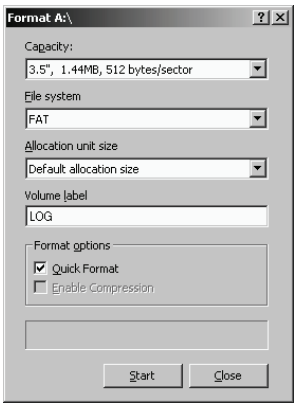


(2) Executing log saving

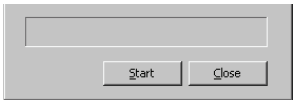
A dialog box for selection of folders to be saved will open.
To save those folders onto a floppy disk, insert it into the PC drive.
Select a drive and folder to be saved, and then select [OK]. Data save processing will be performed.
(“Cancel” → Cancels operation.)



When saving logs onto floppy disks, a dialog box like that shown below opens for formatting.
The formatting operation is the same as performed on the Windows Explorer. Select “Start”, and then perform formatting following the message displayed on the screen.



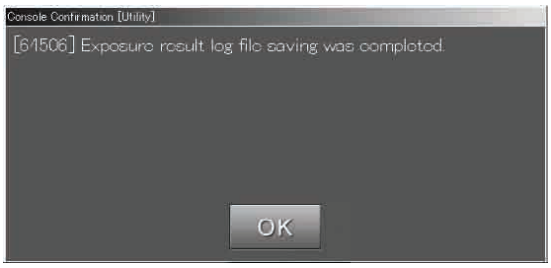
After the formatting of floppy disk is completed, select “Close” to execute saving a log.



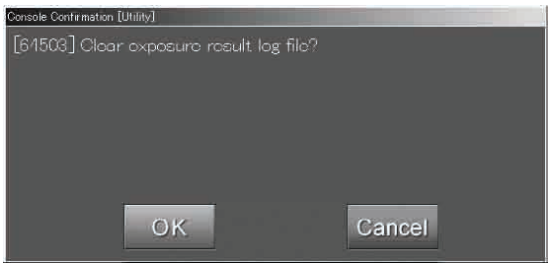
If a confirmation box is displayed prompting you to insert a second floppy disk, repeat the operation from inserting floppy disk to formatting.

(3) Completing log saving

When saving of exposure result and mis-exposure logs is completed, a confirmation box is displayed. When saving logs onto floppy disks, eject the floppy disk from the drive, and then select “OK”.



After log saving is completed, the confirmation box instructing you to clear the log is displayed. To clear the current exposure-result and mis-exposure logs, select “OK”.
(“Cancel” → Cancels operation.)



NOTE

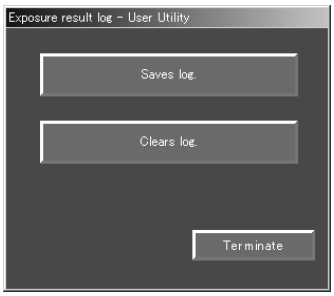
- After log saving is completed, the floppy disk must be ejected. Leaving it inserted in the drive may cause errors.

9.2 Clearing Logs

Clears current exposure result and mis-exposure logs.

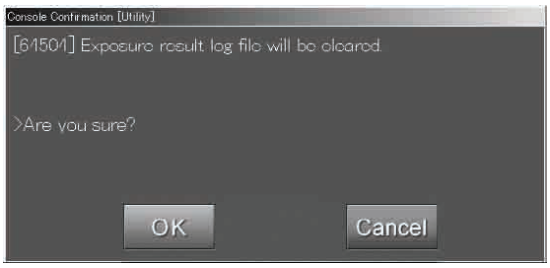
(1) Selecting the menu

Select “Clears log”.



(2) Executing log clearance

The following confirmation box is displayed.
Select “OK”.
(“Cancel” → Cancels operation.)

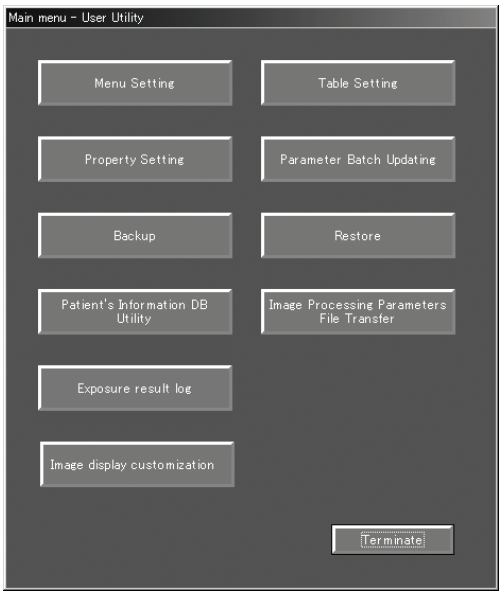


FUJI COMPUTED RADIOGRAPHY

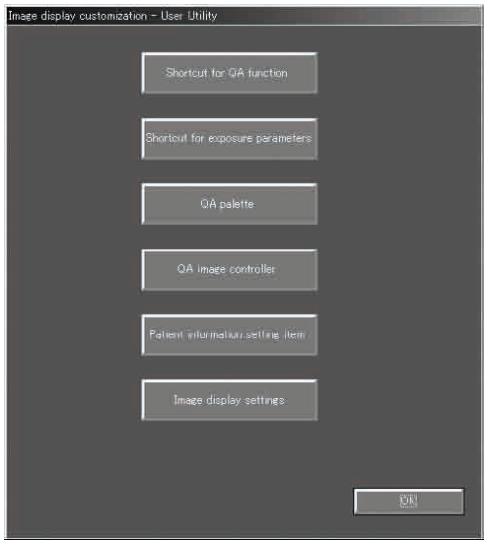
Chapter 10

CUSTOMIZING THE SCREEN DISPLAY

This Chapter describes how to customize the screen display (settings for items to be displayed).
Select “Image display customization”.



The “Image display customization - User Utility” window is displayed.
After completing each menu operation, select “OK”.

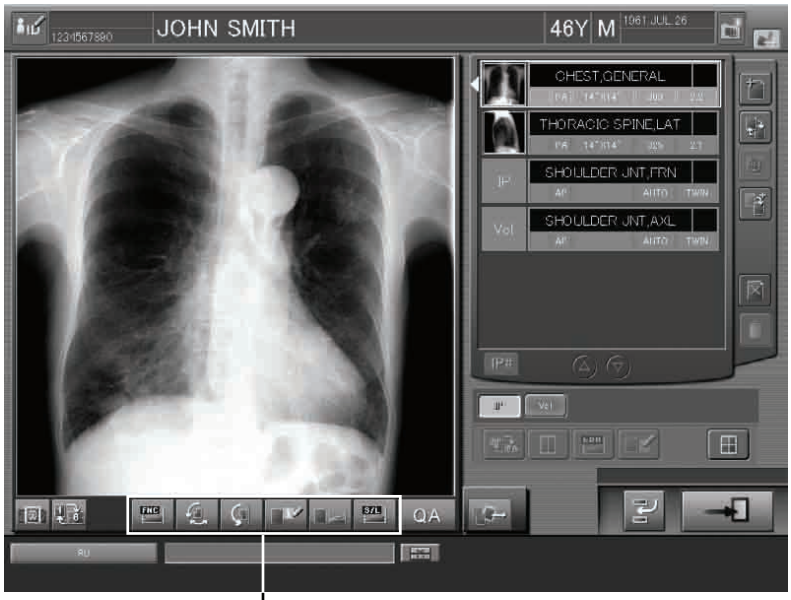


Operations are described hereinafter by menu.

10.1 QA Function Shortcut

Performs registration/relocation/deletion of the QA function shortcut buttons to be displayed on the Study Execution Screen as shown below. The QA function shortcut buttons are shortcut icons used for each image edit (QA) function.

Study Execution Screen (One-image display mode) :

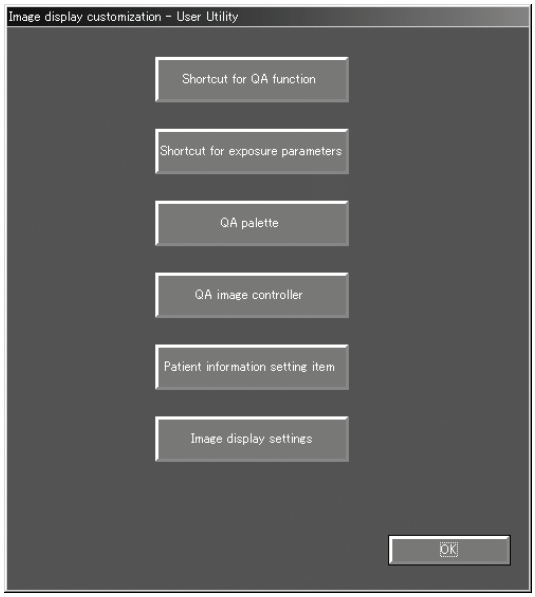


QA function shortcut buttons

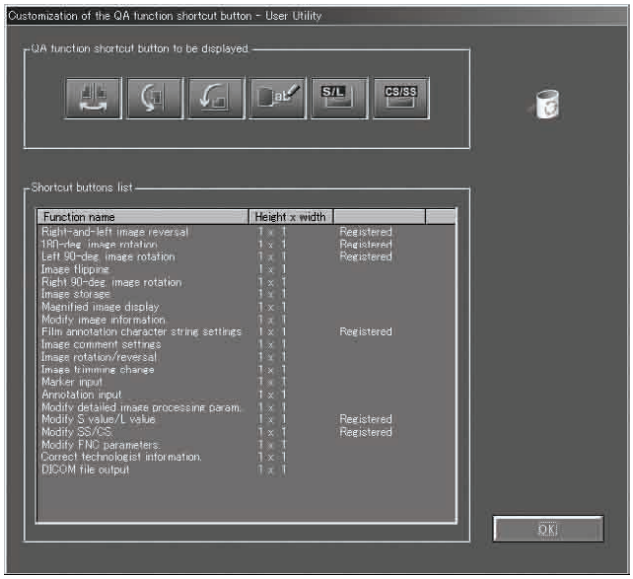
Study Execution Screen (Six-image display mode) :

QA function shortcut buttons

Select “Shortcut for QA function”.

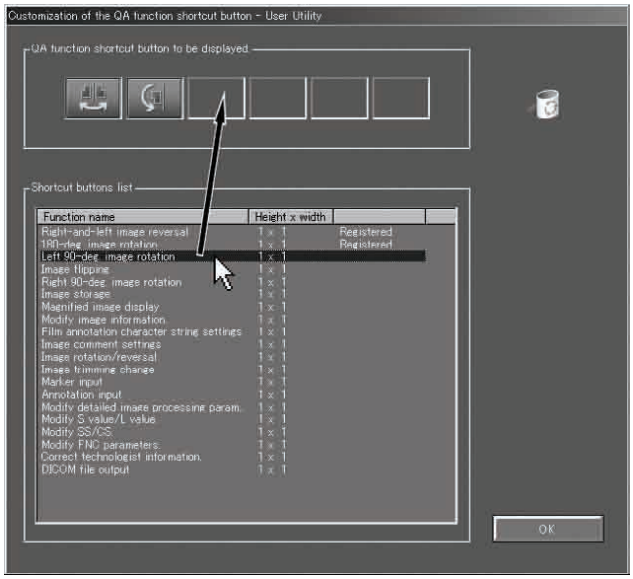


The “Customization of the QA function shortcut button - User Utility” window is displayed. Complete the operation described herein, and then select “OK”.


Customization of the QA function shortcut button - User Utility
QA function shortcut button to be displayed
S/L
C3/SS
Shortcut buttons list
Function name
Height x width
Right-and-left image reversal 1 x 1 Registered
180-deg. image rotation 1 x 1 Registered
Left 90-deg. image rotation 1 x 1 Registered
Image flipping 1 x 1
Right 90-deg. image rotation 1 x 1
Image storage 1 x 1
Magnified image display 1 x 1
Modify image information 1 x 1
Film annotation character string settings 1 x 1 Registered
Image comment settings 1 x 1
Image rotation/reversal 1 x 1
Image trimming change 1 x 1
Marker input 1 x 1
Annotation input 1 x 1
Modify detailed image processing param. 1 x 1
Modify S value/L value 1 x 1 Registered
Modify SS/CS 1 x 1 Registered
Modify FNC parameters 1 x 1
Correct technologist information 1 x 1
DICOM file output 1 x 1
OK

10.1.1 Registering QA Function Buttons

Registers the QA function shortcut buttons to be displayed on the Study Execution Screen. Function names to be registered in the QA function shortcut buttons are listed in the “Shortcut buttons list”. “Height x width” appearing in the list shows the number of boxes needed for displaying a QA function shortcut button.
For example) 1 × 1 :
A maximum of six horizontal boxes are available for QA function shortcut button display.
Select a QA function shortcut button to be displayed on the Study Execution Screen and move it directly to the desired place. Note, however, that the same QA function shortcut button cannot be registered in multiple places.

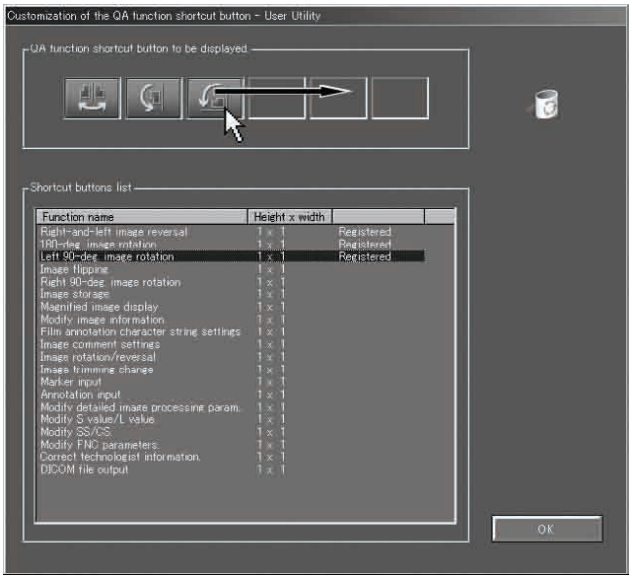

Customization of the QA function shortcut button - User Utility
QA function shortcut button to be displayed
Shortcut buttons list
Function name
Height x width
Right-and-left image reversal 1 x 1 Registered
180-deg. image rotation 1 x 1 Registered
Left 90-deg. image rotation 1 x 1
Image flipping 1 x 1
Right 90-deg. image rotation 1 x 1
Image storage 1 x 1
Magnified image display 1 x 1
Modify image information 1 x 1
Film annotation character string settings 1 x 1
Image comment settings 1 x 1
Image rotation/reversal 1 x 1
Image trimming change 1 x 1
Marker input 1 x 1
Annotation input 1 x 1
Modify detailed image processing param. 1 x 1
Modify S value/L value 1 x 1
Modify SS/CS 1 x 1
Modify FNC parameters 1 x 1
Correct technologist information 1 x 1
DICOM file output 1 x 1
OK

Right-and-left image reversal :
180-deg. image rotation :
Left 90-deg. image rotation :
Image flipping :
Right 90-deg. image rotation :
Image storage :
Magnified image display :
Magnify image information :
Film annotation character string settings :
Image comment settings :
Image rotation/reversal :
Image trim ming change :
Marker input :
Annotation character input :
Modify detailed image processing param. :
Modify S value/L value :
Modify SS/CL :
Modify FNC parameters :
Correct technologist information :
DICOM file output :

10.1.2 Relocating QA Function Shortcut Buttons

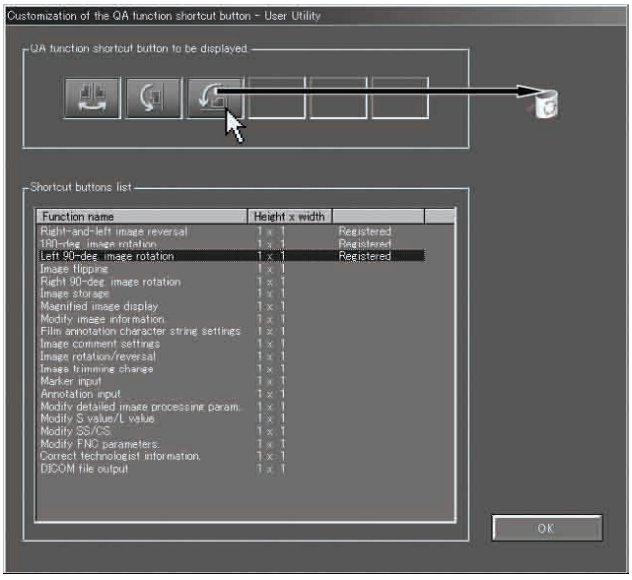
Relocates the QA function shortcut buttons on the Study Execution Screen.

Select a QA function shortcut button to be relocated and move it to the desired place. If the button is relocated onto a place where any other QA function shortcut button has already been placed, the position of the latter will be replaced with the relocated QA function shortcut button.


Customization of the QA function shortcut button - User Utility
QA function shortcut button to be displayed.
Shortcut buttons list
Function name
Height x width
Right-and-left image reversal 1 x 1 Registered
180-deg. image rotation 1 x 1 Registered
Left 90-deg. image rotation 1 x 1 Registered
Image flipping 1 x 1
Right 90-deg. image rotation 1 x 1
Image storage 1 x 1
Magnified image display 1 x 1
Modify image information 1 x 1
Film annotation character string settings 1 x 1
Image comment settings 1 x 1
Image rotation/reversal 1 x 1
Image trimming change 1 x 1
Marker input 1 x 1
Annotation input 1 x 1
Modify detailed image processing param. 1 x 1
Modify S value/L value 1 x 1
Modify SS/CS 1 x 1
Modify FNC parameters 1 x 1
Correct technologist information. 1 x 1
DICOM file output 1 x 1
OK

10.1.3 Deleting QA Function Shortcut Buttons

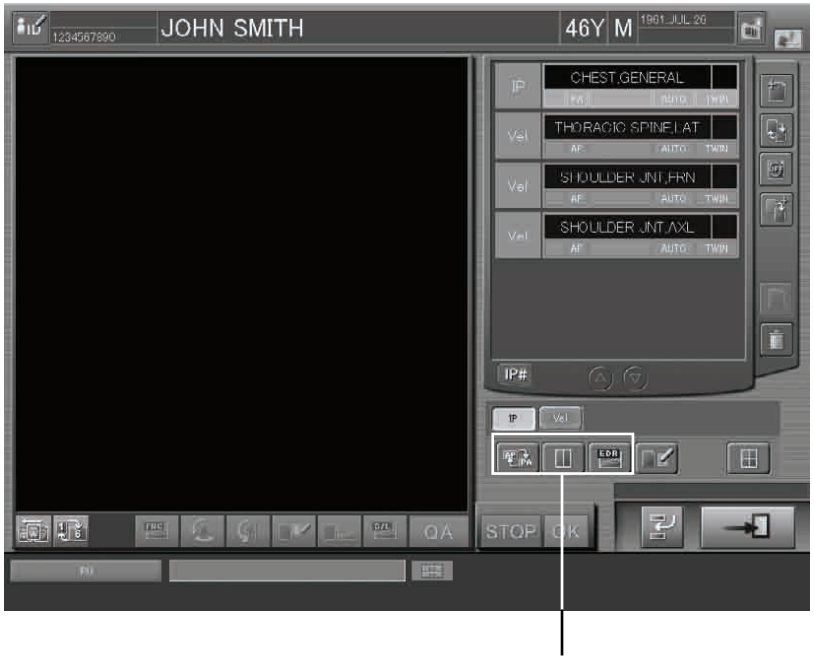
Performs deletion of the QA function shortcut buttons on the Study Execution Screen.
Select a QA function shortcut button to be deleted, and move it onto the icon.


Customization of the QA function shortcut button - User Utility
QA function shortcut button to be displayed.
Shortcut buttons list
Function name
Height x width
Right-and-left image reversal 1 x 1 Registered
180-deg. image rotation 1 x 1 Registered
Left 90-deg. image rotation 1 x 1 Registered
Image flipping 1 x 1
Right 90-deg. image rotation 1 x 1
Image storage 1 x 1
Magnified image display 1 x 1
Modify image information 1 x 1
Film annotation character string settings 1 x 1
Image comment settings 1 x 1
Image rotation/reversal 1 x 1
Image trimming change 1 x 1
Marker input 1 x 1
Annotation input 1 x 1
Modify detailed image processing param. 1 x 1
Modify S value/L value 1 x 1
Modify SS/CS 1 x 1
Modify FNC parameters 1 x 1
Correct technologist information. 1 x 1
DICOM file output 1 x 1
OK

10.2 Exposure Parameter Shortcut

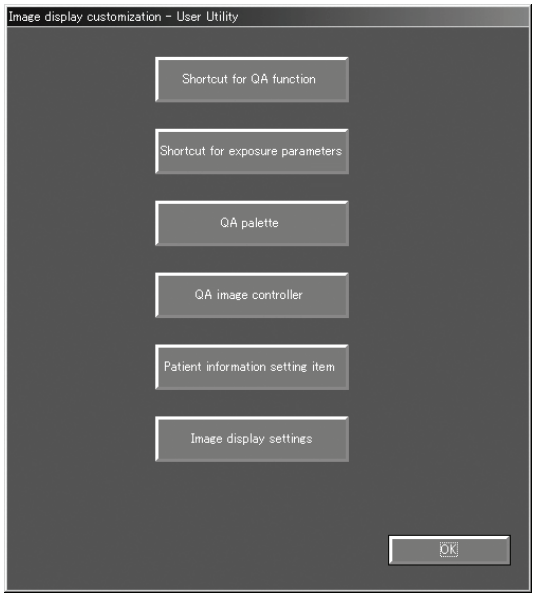
Performs registration/relocation/deletion of exposure parameter shortcut buttons to be displayed on the Study Screen as shown below. The exposure parameter shortcut buttons are shortcut icons used for each setting box of exposure parameter.

Study Screen (One-image display mode) :

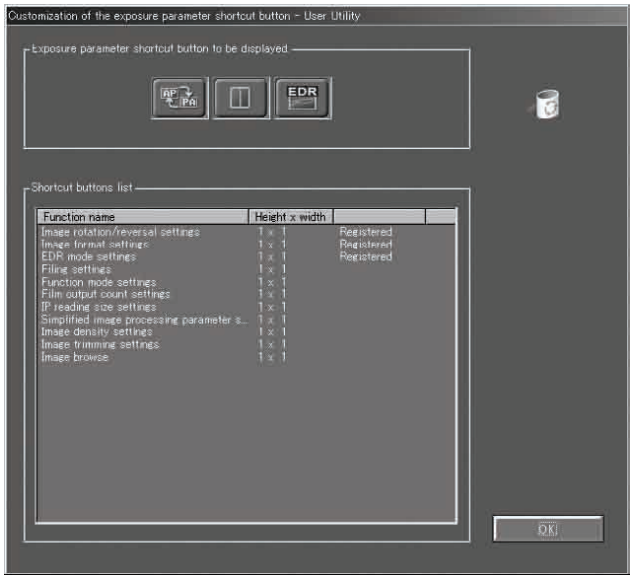


Study Screen (Six-image display mode) :

Select “Shortcut for exposure parameters”.



The “Customization of the exposure parameter shortcut button - User Utility” window will be displayed.
Select “OK” after completing the operations described hereinafter.


Customization of the exposure parameter shortcut button - User Utility
Exposure parameter shortcut button to be displayed
EDR
Shortcut buttons list
Function name
Height x width
Image rotation/reversal settings 1 x 1 Registered
Image format settings 1 x 1 Registered
EDR mode settings 1 x 1 Registered
Filing settings 1 x 1
Function mode settings 1 x 1
Film output count settings 1 x 1
IP reading size settings 1 x 1
Simplified image processing parameter s... 1 x 1
Image density settings 1 x 1
Image trimming settings 1 x 1
Image browse 1 x 1
OK

10.2.1 Registering Exposure Parameter Shortcut Buttons

Registers the exposure parameter shortcut buttons to be displayed on the Study Execution Screen.

Function names to be registered in exposure parameter shortcut buttons are listed in the “Shortcut button list”. A maximum of three exposure parameter shortcut buttons can be registered.
Select a button to be displayed on the Study Execution Screen, and move it to the desired place. (The buttons are registered horizontally. However, in the case of the Study Execution Screen of six-image display mode, they will be displayed vertically.) The same button cannot be registered in multiple places.

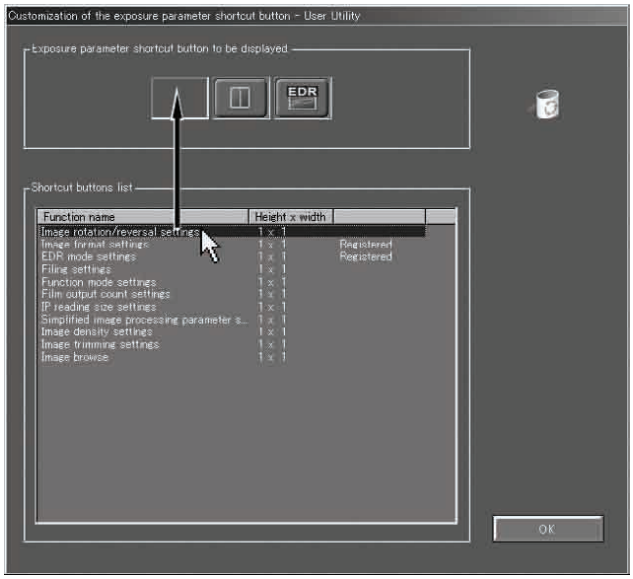

Customization of the exposure parameter shortcut button - User Utility
Exposure parameter shortcut button to be displayed
EDR
Shortcut buttons list
Function name
Height x width
Image rotation/reversal settings 1 x 1
Image format settings 1 x 1 Registered
EDR mode settings 1 x 1 Registered
Filing settings 1 x 1
Function mode settings 1 x 1
Film output count settings 1 x 1
IP reading size settings 1 x 1
Simplified image processing parameter s... 1 x 1
Image density settings 1 x 1
Image trimming settings 1 x 1
Image browse 1 x 1
OK

Image rotation/reversal settings :

Image format settings :

EDR mode settings :

Filling settings :

Function mode settings :

Film annotation character string settings :

Film output count settings :

Image distribution code settings :

IP reading size settings :

Simplified image processing parameters settings :

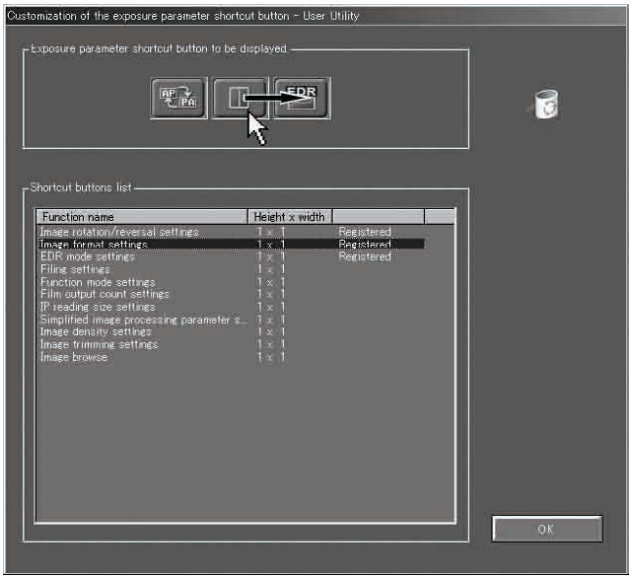
Image density settings :

Image trimming settings :

10.2.2 Relocating Exposure Parameter Shortcut Buttons

Relocates exposure parameter shortcut buttons on the Study Execution Screen.

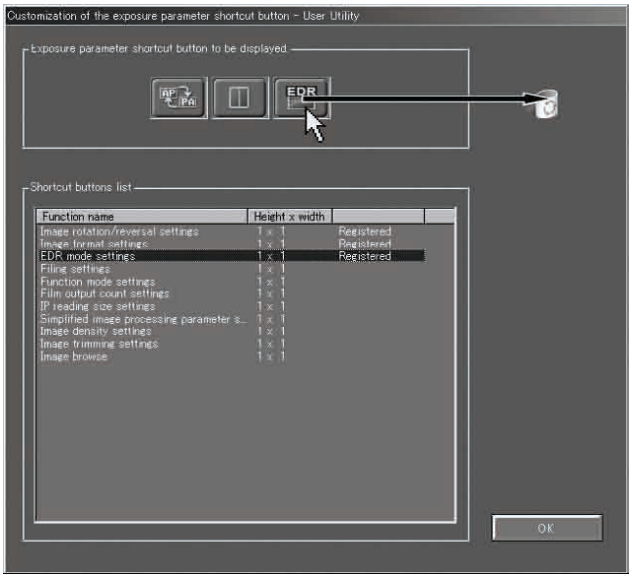
Select a button to be relocated and move it to the desired place. If the button is moved onto the place where other exposure parameter shortcut button has already been placed, the latter will be replaced with the relocated button.



10.2.3 Deleting Exposure Parameter Shortcut Buttons

Deletes exposure parameter shortcut buttons on the Study Execution Screen.

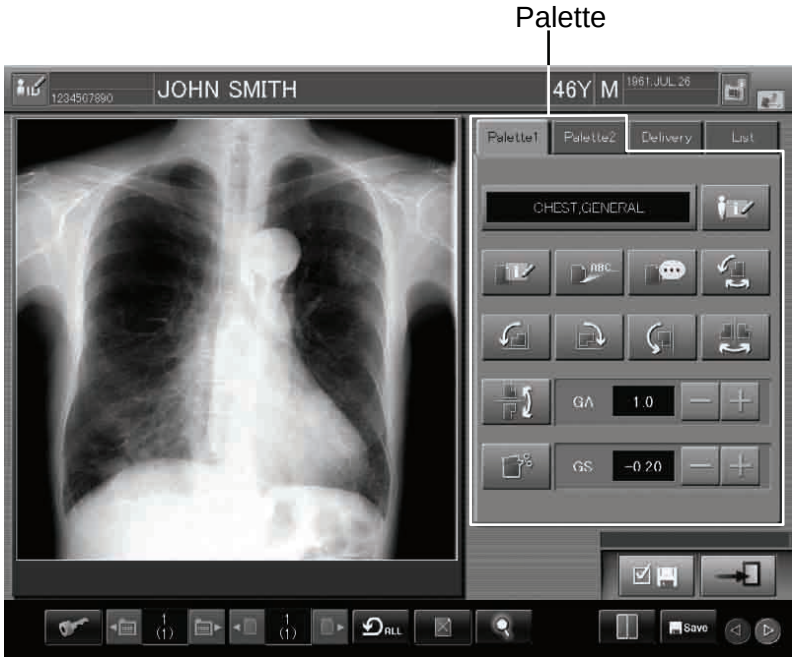
Select an exposure parameter shortcut button to be deleted, and move it onto the icon.



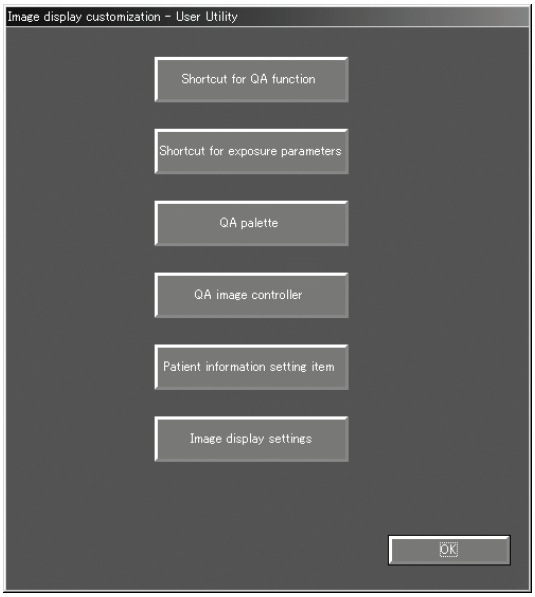
10.3 QA Palette

Performs registration/relocation/deletion operations of QA buttons to be displayed in the palette (as shown below) of the Image Edit Screen. Palette names can be edited accordingly.

Image Edit Screen :



Select “QA palette”.



The “QA palette customization - User Utility” window is displayed.
Select “OK” after completing the operations described hereinafter.

10.3.1 Registering Function Buttons

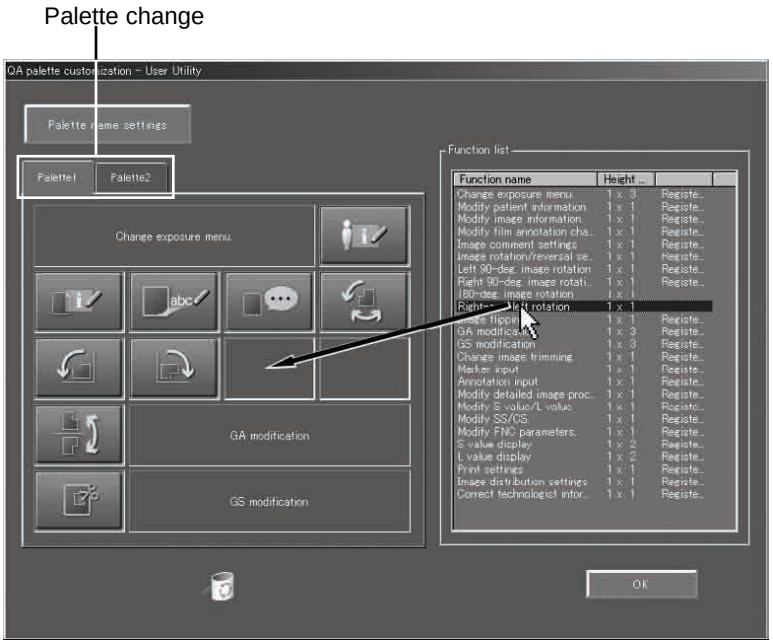
Registers QA buttons to be displayed in the palette of the Image Edit Screen.

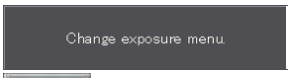
Function names to be registered in the palette will be listed in the “Function list”.
“Height x width” shows the number of boxes needed to display a QA button.
For example) 1 × 1 :

1 × 2 :

There are two palettes, and vertical five boxes x horizontal four boxes are available for each palette. The palettes can be changed alternately by selecting the tab key.

Select a QA function to be displayed in a palette, and move it to the desired place. The same QA function can be registered in a different place in one palette, and also in the other palette.



Change exposure menu : 

Modify patient information :

Modify image information :

Film mark :

Image comment settings :

Image rotation/reversal settings :

Left 90-deg. image rotation :

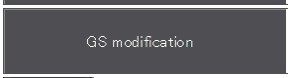
Right 90-deg. image rotation :

180-deg. image rotation :

Right-and-left rotation :

Image flipping :

GA modification :

GS modification : 

Change image trimming :

Marker input :

Annotation character input :

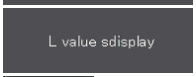
Modify detailed image processing :

Modify S value/L value :

Modify SS/CS :

Modify FNC parameters :

S value display :

L value display : 

Print settings :

Image distribution settings :

Correct technologist information :

10.3.2 Relocating Function Buttons

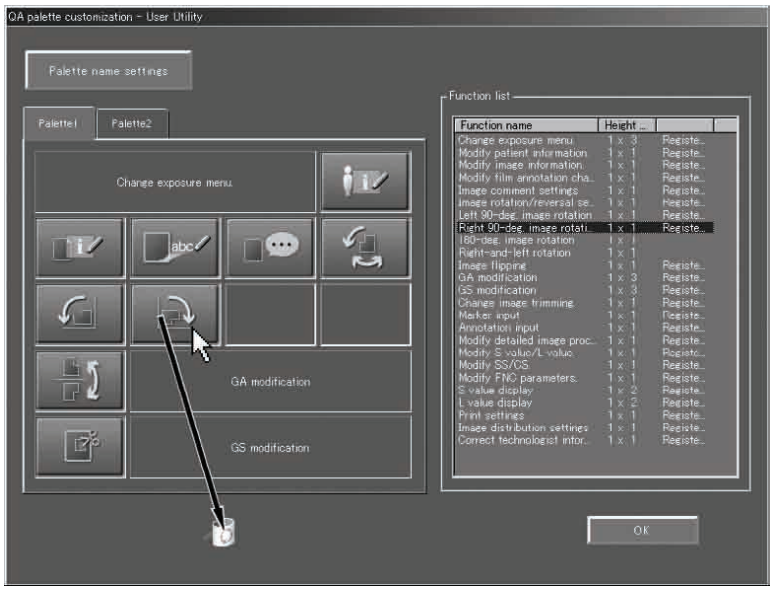
Relocates function buttons in the palette.

Select a function button to be relocated and move it to the desired place. If the button to be relocated is moved onto the place where any other function button has already been placed, the latter will be replaced with the relocated button. (Two function buttons of different sizes cannot be changed alternately.)

10.3.3 Deleting Function Buttons

Deletes function buttons in the palette.

Select a function button to be deleted, and move it directly onto the icon.

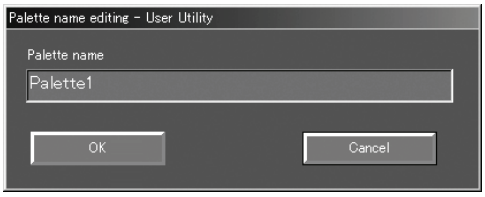


10.3.4 Editing Palette Name

Edits name of the palette.

Display a palette whose name is to be edited and then select “Palette name settings”.

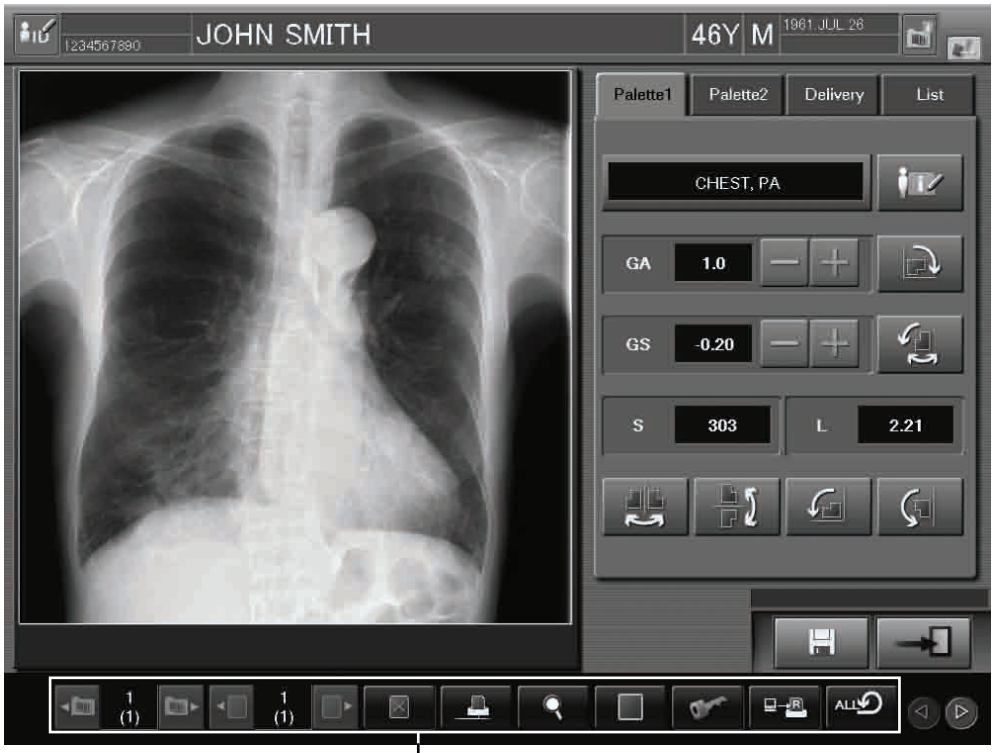
The “Palette name editing - User Utility” window is displayed.
Select “OK” after inputting a palette name.
(“Cancel” → Cancels operation.)



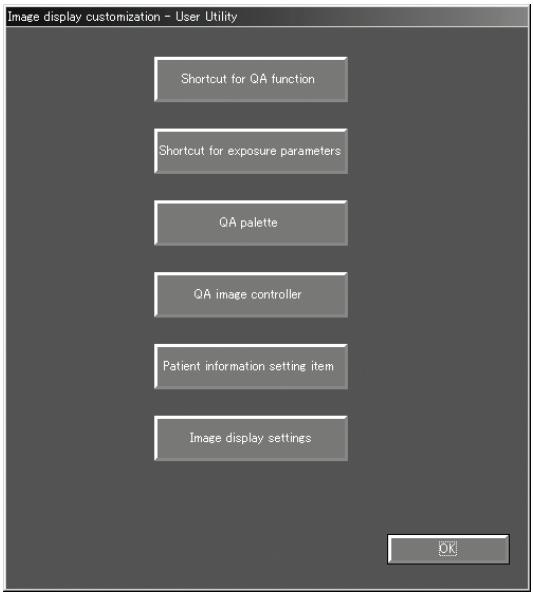
10.4 QA Image Controller

Performs registration/relocation/deletion of the QA image controller buttons to be displayed in the QA image controller (as shown below) of the Image Edit Screen.

Image Edit Screen :



Select “QA image controller”.



The “Customization of the QA image controller - User Utility” window is displayed.
Select “OK” after completing operations described hereinafter.

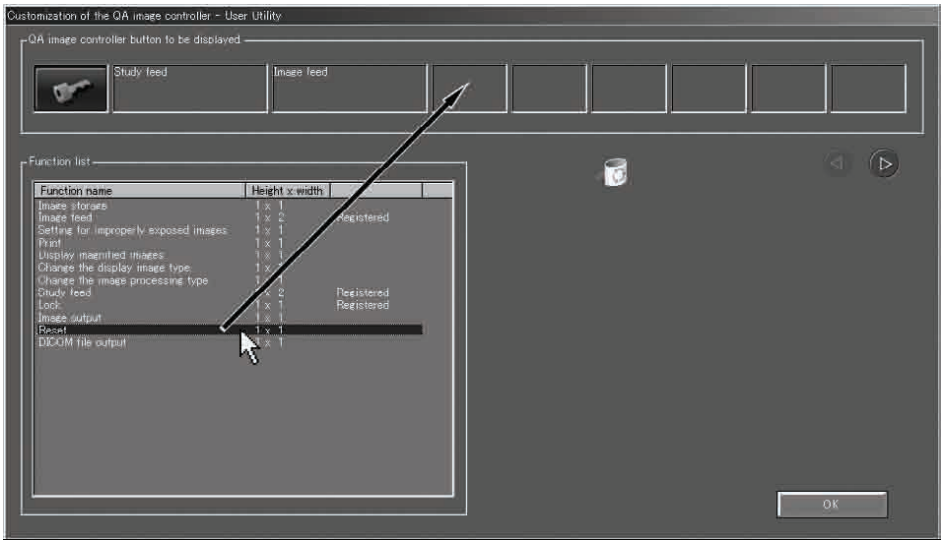
Customization of the QA image controller - User Utility
QA image controller button to be displayed
Study feed
Image feed
Change the display image type
Change the image processing type
Function list
Function name
Height x width
Image storage 1 x 1 Registered
Image feed 1 x 2 Registered
Setting for improperly exposed images 1 x 1 Registered
Print 1 x 1 Registered
Display magnified images 1 x 1 Registered
Change the display image type 1 x 1 Registered
Change the image processing type 1 x 1 Registered
Study feed 1 x 2 Registered
Lock 1 x 1 Registered
Image output 1 x 1 Registered
Reset 1 x 1 Registered
DICOM file output 1 x 1 Registered
OK

10.4.1 Registering QA Image Controller Buttons

Registers the QA image controller buttons to be displayed in the QA image controller of the Image Edit Screen.

Function names to be registered in the QA image controller will be listed in the “Function list”.
“Height x width” shows the number of boxes needed to display a QA image controller button.
For example) 1 × 1 :
1 × 2 :

Select a QA image controller button to be displayed in the QA image controller, and move it directly to the desired place. However, the same QA image controller button cannot be registered in multiple places.

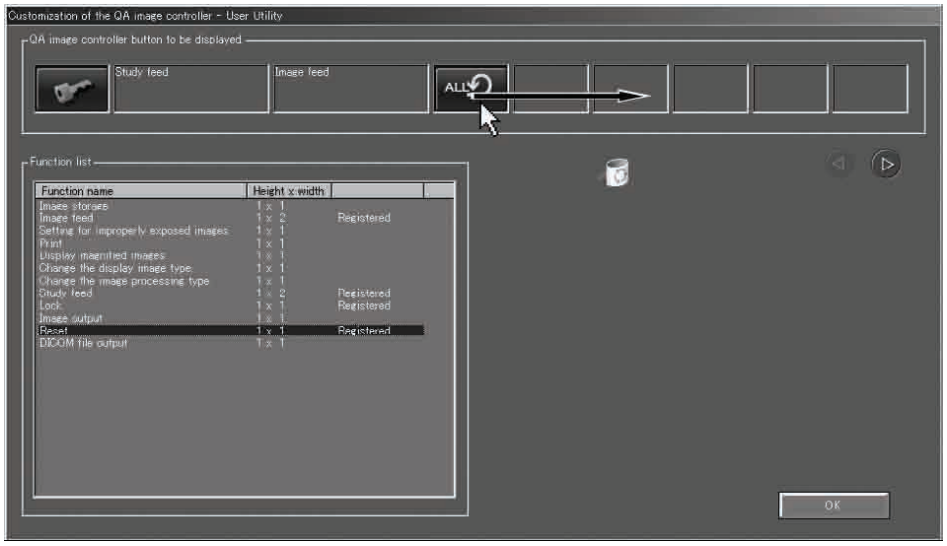

Customization of the QA image controller - User Utility
QA image controller button to be displayed
Study feed
Image feed
Function list
Function name
Height x width
Image storage 1 x 1
Image feed 1 x 2 Registered
Setting for improperly exposed images 1 x 1
Print 1 x 1
Display magnified images 1 x 1
Change the display image type 1 x 1
Change the image processing type 1 x 1
Study feed 1 x 2 Registered
Lock 1 x 1 Registered
Image output 1 x 1
Reset 1 x 1
DICOM file output 1 x 1
OK

◁ / ▷ : Scrolls the QA image controller buttons.

10.4.2 Relocating QA Image Controller Buttons

Relocates the QA image controller buttons in the QA image controller.

Select a QA image controller button and move it direct to the desired place. If the button to be replaced is moved onto a place where any other QA image controller button has already been placed, the latter will be replaced with the relocated button.

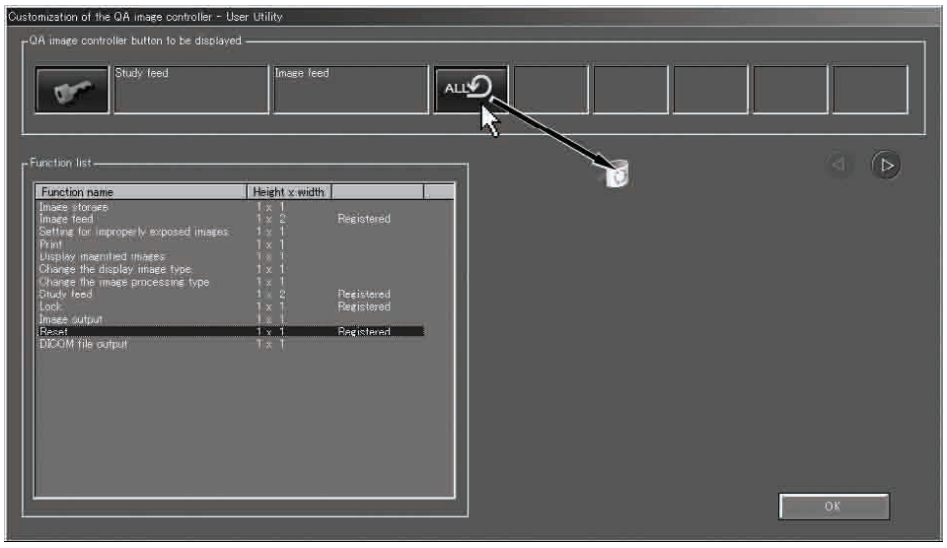

Customization of the QA image controller - User Utility
QA image controller button to be displayed
Study feed
Image feed
ALL
Function list
Function name
Height x width
Image storage 1 x 1
Image feed 1 x 2 Registered
Setting for improperly exposed images 1 x 1
Print 1 x 1
Display magnified images 1 x 1
Change the display image type 1 x 1
Change the image processing type 1 x 1
Study feed 1 x 2 Registered
Lock 1 x 1 Registered
Image output 1 x 1
Reset 1 x 1 Registered
DICOM file output 1 x 1
OK

/ : Scrolls the QA image controller buttons.

10.4.3 Deleting QA Image Controller Buttons

Deletes QA image controller buttons in the QA image controller.

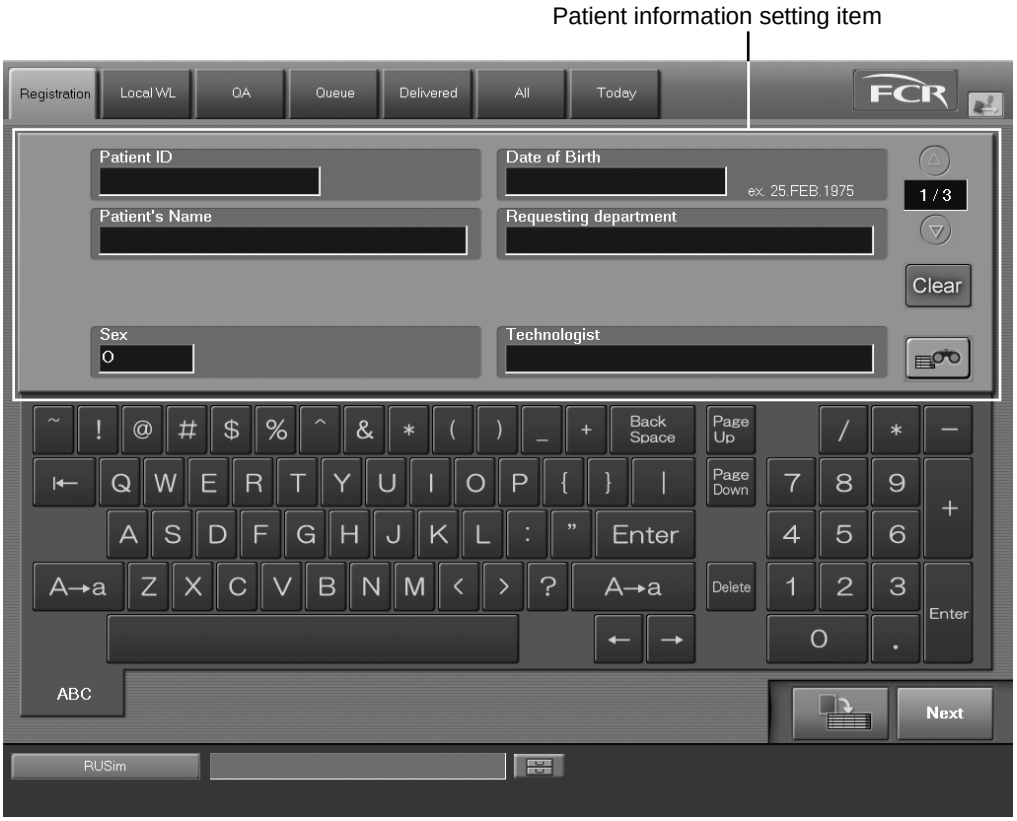
Select a button to be deleted, and move it directly onto the icon.


Customization of the QA image controller - User Utility
QA image controller button to be displayed
Study feed
Image feed
ALL
Function list
Function name
Height x width
Image storage 1 x 1
Image feed 1 x 2 Registered
Setting for improperly exposed images 1 x 1
Print 1 x 1
Display magnified images 1 x 1
Change the display image type 1 x 1
Change the image processing type 1 x 1
Study feed 1 x 2 Registered
Lock 1 x 1 Registered
Image output 1 x 1
Reset 1 x 1 Registered
DICOM file output 1 x 1
OK

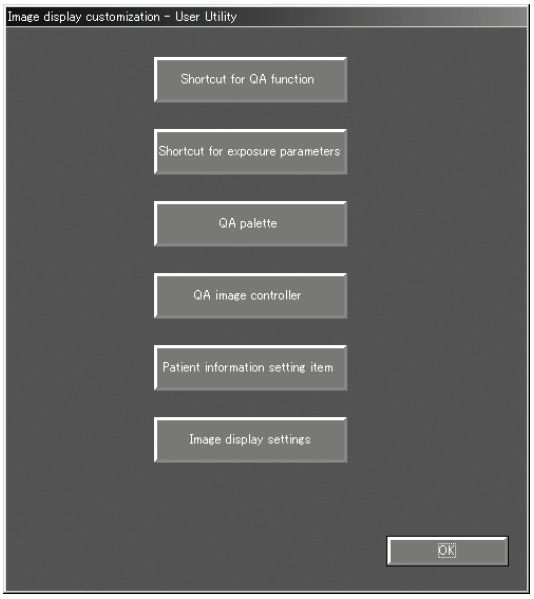
10.5 Patient Information Setting Items

Performs registration/relocation/deletion of reception information items to be displayed in the Patient Information Input Screen.

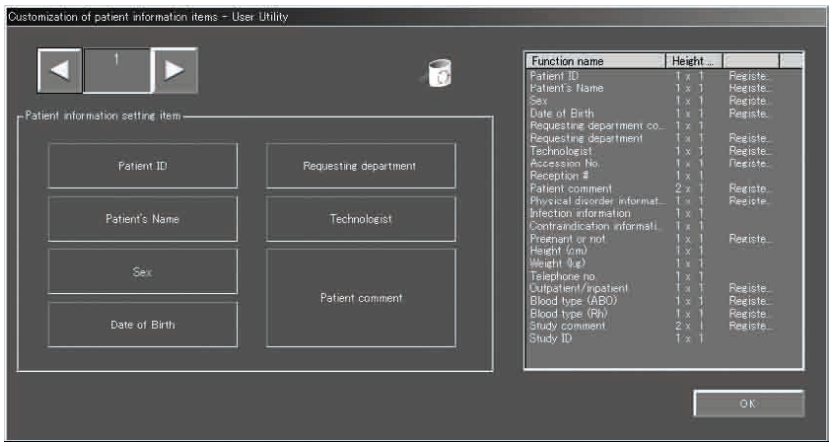
Patient Information Input Screen :



Select “Patient information setting item”.



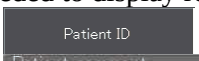
The “Customization of patient information items - User Utility” window is displayed.
Select “OK” after completing the operations described hereinafter.



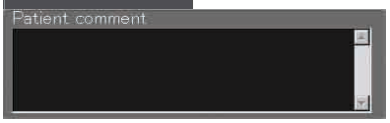
10.5.1 Registering Patient Information Setting Items

Registers reception information items to be displayed on the Patient Information Input Screen.
The reception information items will be listed on the right side of the screen. “Height x width” shows the number of boxes needed to display reception information items.

For example) 1 × 1 :

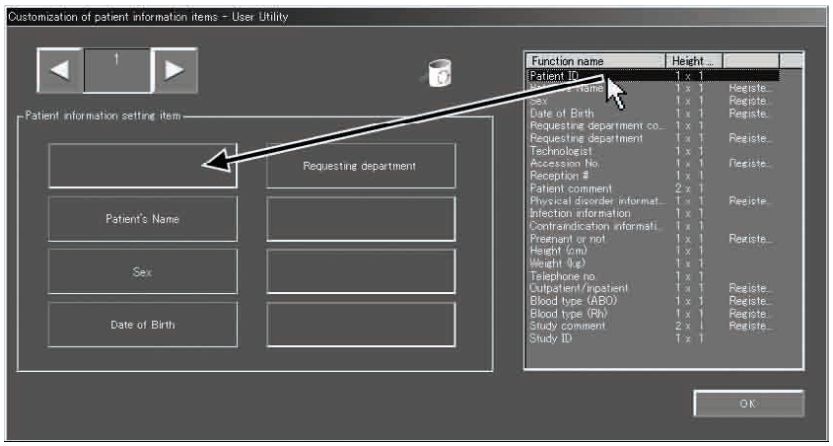


2 × 1 :



Patient information items can be composed of several pages. Four boxes x two boxes are available in each page.

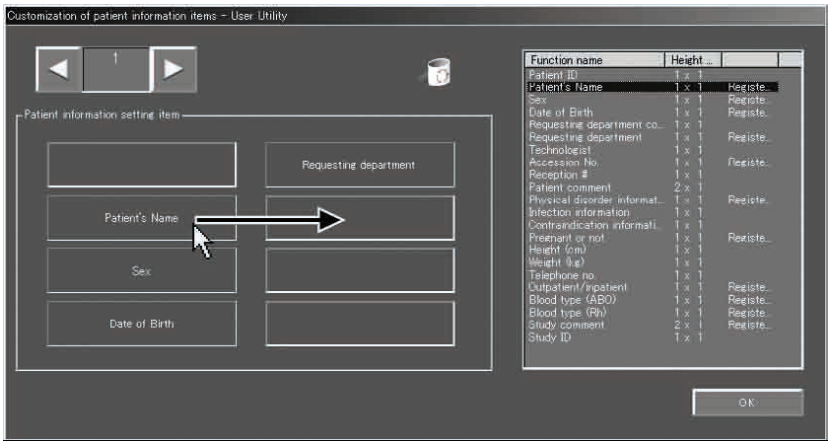
Select a patient information item to be displayed on the Patient Information Input Screen, and move it directly to the desired place (◀ / ▶ : Page turn button). However, the same patient information item cannot be registered in multiple places.



10.5.2 Relocating Patient Information Setting Items

Relocates patient information items displayed on the Patient Information Input Screen.

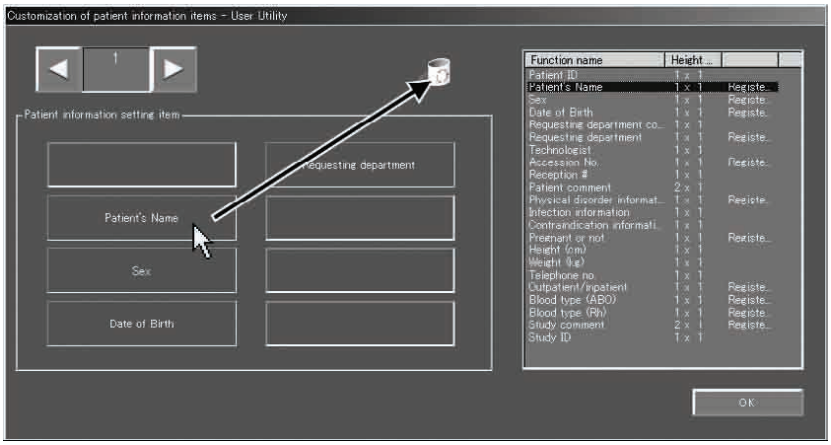
Select an item to be relocated, and move it directly to the desired place. Passing on the page turn button on the way to the desired place makes page turn accordingly.
If a patient information item to be relocated is moved onto the place where any other item has already been placed, the latter and the relocated item switch their locations. (Two patient information items of different sizes cannot be changed alternately.)



10.5.3 Deleting Patient Information Setting Items

Deletes patient information items on the Patient Information Input Screen.

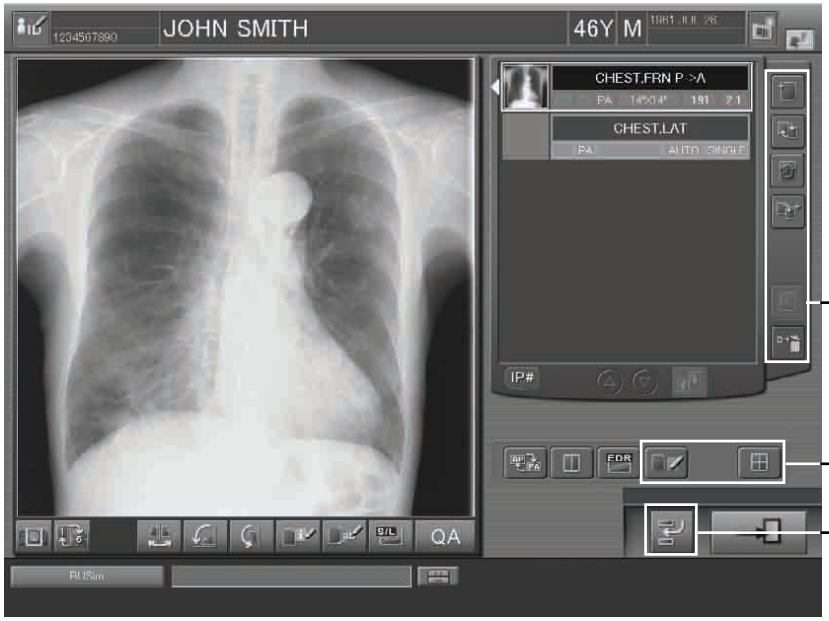
Select a patient information item to be deleted, and move it directly onto the icon.



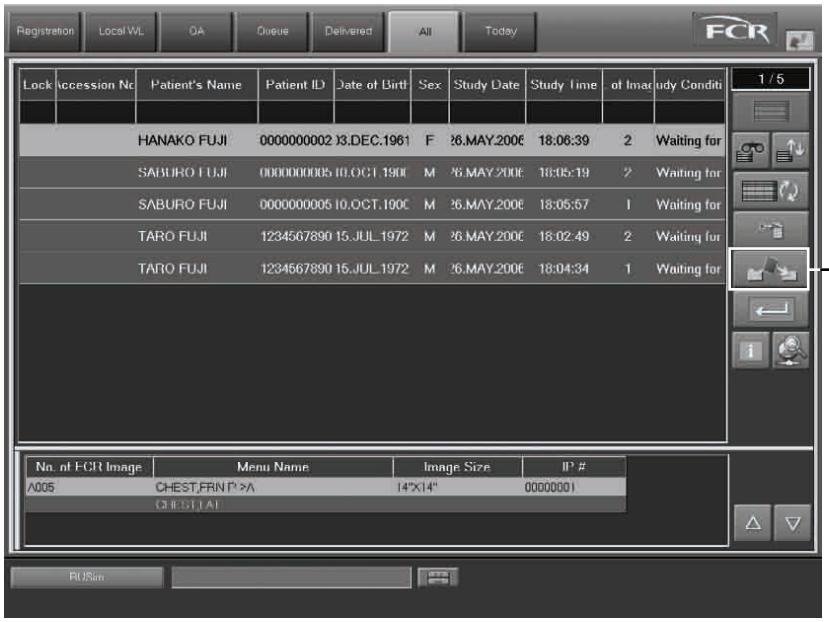
10.6 Setting for Screen Display

Performs display settings for the Study Execution and Study List Screens.

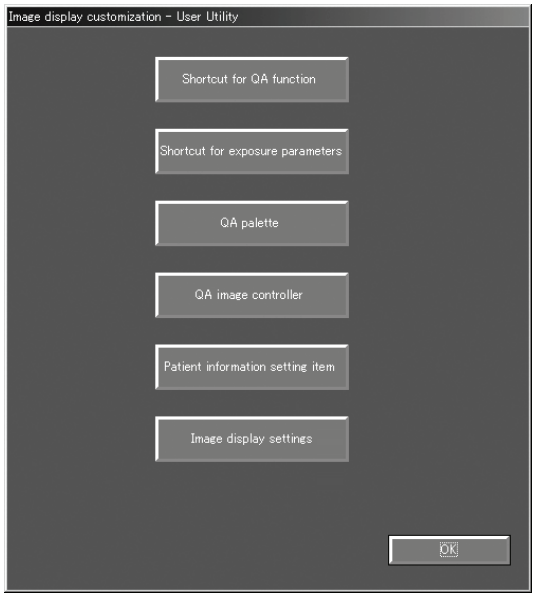
Study Execution Screen :



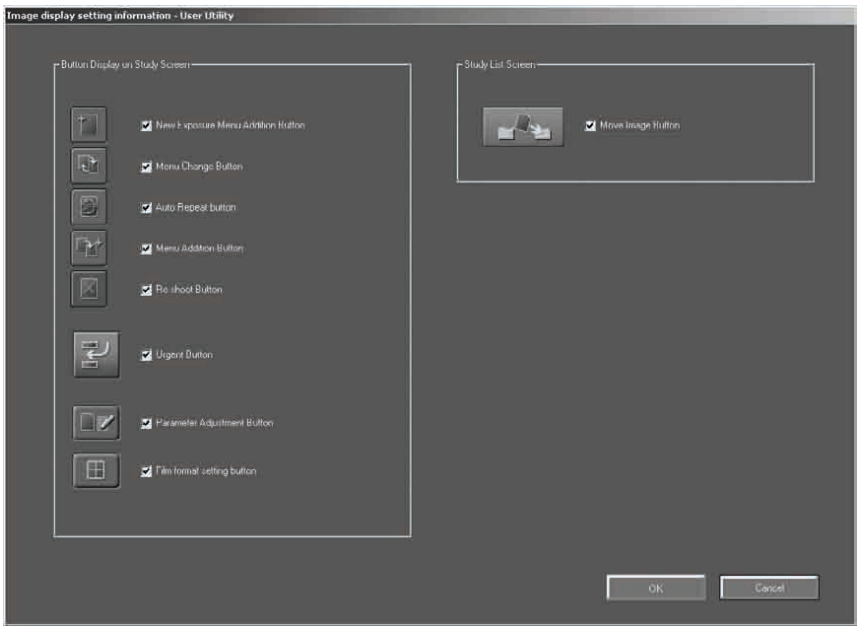
Study List Screen :



Select “Image display settings”.



The “Image display setting information - User Utility” window is displayed.
Select “OK” after selecting buttons to be displayed on the screen.
(“Cancel” → Cancels operation.)



Button display on the Study Execution Screen :
Select the button to be displayed on the Study Execution Screen.

Study List Screen :
Select the button to be displayed on the “All” list.

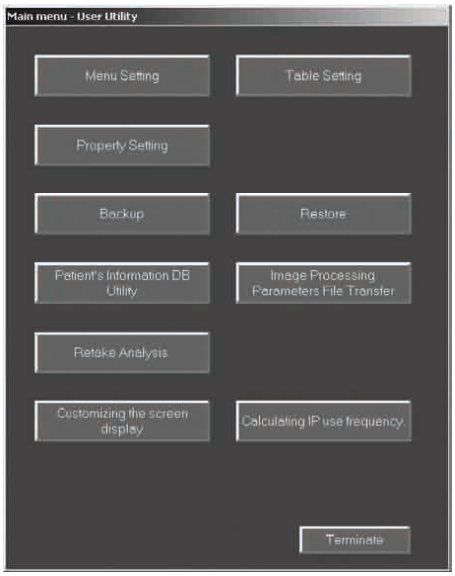
FUJI COMPUTED RADIOGRAPHY

Chapter 11

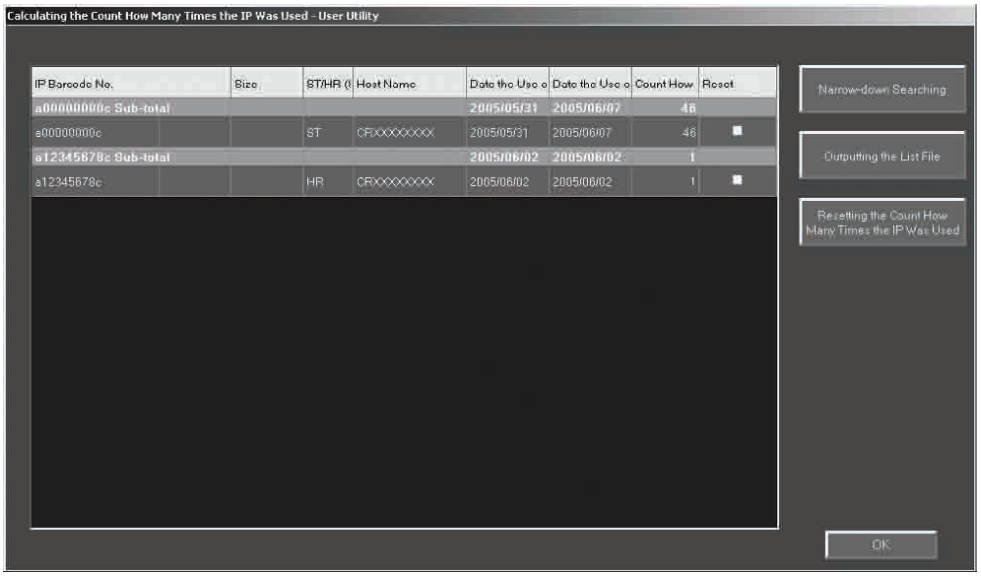
CALCULATING THE COUNT HOW MANY TIMES THE IP WAS USED

You can calculate and then display the count how many times the IP was used.
The count how many times the IP was used will be calculated individually for each IP barcode number. For IPs that have no barcode numbers, the IP use count will be calculated for each size code.

Select “Calculating IP use frequency”.



The “Calculating the Count How Many Times the IP Was Used - User Utility” window will be displayed.
Perform necessary operations for each menu, and then select “OK”.



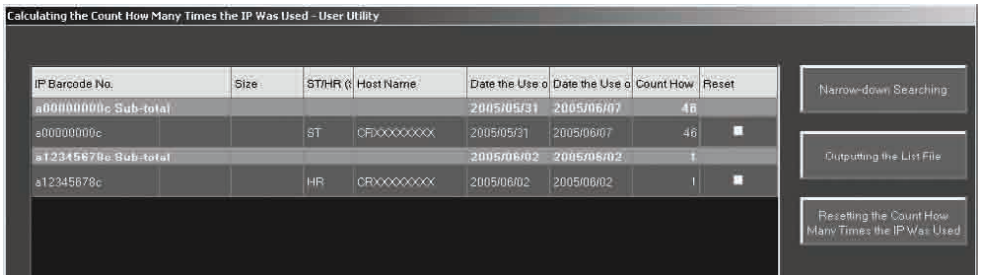
NOTE

For IPs that have no barcode numbers, the count how many times those IPs were used will be calculated considering IPs of the same size to be the same IPs.
For example, when the two IPs of the same size were used, it will be counted that the one same IP was used twice. For this reason, manage the use count of IPs that have no barcode numbers based on the “Date the Use of the IP Was Started” listed on the window above.

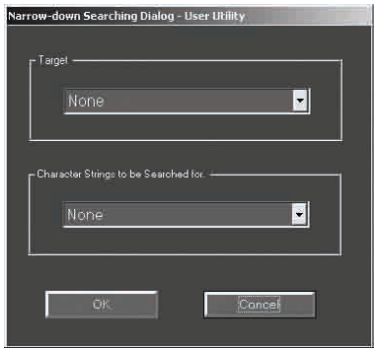
11.1 Searching by Narrowing Down the Query Conditions

On the IP use count list of the window, you can display information of the IP use count searched for by specifying query conditions. (Searching by narrowing down the query conditions)
It is possible for you to specify “Host Name”, “IP Barcode No.” and “Size” for the query conditions.

Select “Narrow-down Searching”.



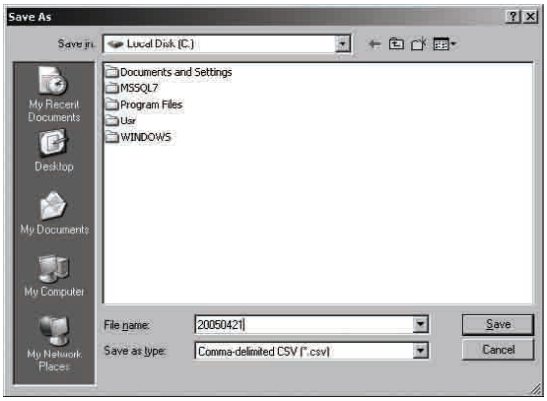
The “Narrow-down Searching Dialog - User Utility” window will open.
Input target and key character string for the narrow-down conditions and then select “OK”.



11.2 Outputting List Files

It is also possible for you to output in a ".csv" format file the information listed on the "Calculating the Count How Many Times the IP Was Used - User Utility" window.
Select "Outputting the List File".

The Windows "Save As" dialog box then opens.



Input a filename in the "File name" box and select "Save".

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